



CURRICULUM VITAE

ALISON A. SMITH, MD, PHD, FACS

Current Title: Associate Professor of Clinical Surgery

Business Address: Louisiana State University Health
Department of Surgery
2021 Perdido Street, Room 8143
New Orleans, LA 70112

Business Telephone: (504) 568-3279

Business Email Address: asmi60@lsuhsc.edu

Place of Birth: Pittsburgh, PA

Citizenship: United States of America

Education

Undergraduate: Bachelor of Science (B.S.) in Biological Sciences
Honors Baccalaureate, *Summa cum laude*- Virginia Tech,
Blacksburg, VA
8/2003 - 5/2007

Bachelor of Science (B.S.) in Chemistry
Honors Baccalaureate, *Summa cum laude*- Virginia Tech,
Blacksburg, VA
Degree accredited by the American Chemical Society
8/2003 - 5/2007

Medical: Medical degree (M.D.)
Tulane University School of Medicine
New Orleans, LA
8/2007 - 5/2014

Graduate: Doctor of Philosophy (Ph.D.) in Biomedical Sciences
Tulane University School of Medicine
7-year Physician/Scientist Program
8/2007 - 5/2014

Internship: General Surgery Residency
Tulane University
New Orleans, LA
7/2014 - 6/2015

Residency: General Surgery Residency
Tulane University
New Orleans, LA
7/2015 - 6/2019

Clinical Fellowship: Surgical Critical Care Fellowship
University of Texas Health
San Antonio, Texas
8/2019 - 7/2020

Certifications:

Advanced Trauma Life Support, Certificate # 3168713,
Expiration 7/6/2028

Stop the Bleed, American College of Surgeons
7/2017

Fundamentals of Laparoscopic Surgery
Society of American Gastrointestinal and Endoscopic Surgeons
8/17/17

Fundamentals of Endoscopic Surgery
Society of American Gastrointestinal and Endoscopic Surgeons
9/20/17

Advanced Surgical Skills for Exposure in Trauma
American College of Surgeons
10/4/2017

Diplomate of the American Board of Surgery, General Surgery
Certificate #065657
Initial Certification Date: 12/10/19
Recertification Date: 1/5/2026

Basic Endovascular Skills for Trauma, American College of Surgeons
12/17/19

Diplomate of the American Board of Surgery, Surgical Critical Care
Certificate #005299
Initial Certification Date: 10/4/2021
Reverification Date: 1/5/2026

Advanced Burn Life Support Provider, Expiration 4/2025

Basic Cardiac Life Support, American Heart Association
Expiration 8/31/2026
Advanced Cardiac Life Support, American Heart Association
Expiration 8/31/2026

Pediatric Cardiac Life Support, American Heart Association; Expiration 8/31/2026

Licensure:

Louisiana Board of Medical Examiners, License #322281, 4/1/2020 - present

Texas Board of Medical Examiners, License #S1277, 5/31/2019 - 5/31/2027

Academic, Professional, and Research Appointments

Academic Appointments:

Training Center Faculty, Tulane Simulation Center, New Orleans, LA,
8/2007 - present

Adjunct Faculty, Tulane Navy Seal EMT Transition Program, New Orleans, LA,
1/2013 - 6/2014

Clinical Instructor of Surgery, University of Texas San Antonio, San Antonio, TX,
8/1/2019 - 7/31/2020

Adjunct Assistant Professor, University of Texas San Antonio, San Antonio, TX,
8/31/20 - present

Clinical Assistant Professor of Surgery, Louisiana State University Health Sciences
Center, School of Medicine, New Orleans, Louisiana,
9/15/2020 - present

Adjunct Assistant Professor of Surgery, Tulane University, New Orleans,
1/1/2021 – present

Member of the Alcohol and Drug Abuse Center of Excellence, Louisiana State University
Health Sciences Center, School of Medicine, New Orleans, Louisiana
8/9/23- present

Affiliate Member, Graduate School Faculty, Louisiana State University Health Sciences
Center, School of Medicine, New Orleans, Louisiana
2/14/24 – present

Clinical Appointments:

Staff physician, University Hospital, San Antonio, 8/1/2019 - 8/31/2020

Staff physician, University Medical Center, New Orleans, Louisiana, 9/15/2020 - present

Staff physician, North Oaks Shock Trauma, Hammond, LA, 1/1/2021 – 1/1/2025

Staff physician, Veterans Affairs Hospital, New Orleans, Louisiana, 1/11/2021 - present

Staff physician, Ochsner Baptist, New Orleans, LA, 8/1/2021 – 8/1/2024

Staff physician, Children's Hospital, New Orleans, 7/8/2022 - present

Research Appointments:

Research Assistant studying the development of a novel cadmium biosensor and presented an Honors Thesis, Michael Hochella, PhD, Virginia Tech, Geology Department, Virginia Tech, Blacksburg, VA, 8/2003 - 5/2007.

Research Assistant studying the genome of *Arabidopsis thaliana*, Brenda Winkel, PhD, Biology Department, Virginia Tech, Blacksburg, VA, 8/2004 - 5/2007.

United States Agency for International Development fellowship to study o'nyong-nyong virus in *Anopheles* mosquitoes in Mali, West Africa, Donald Mullins, PhD and Richard Fell, PhD, Entomology Department, Virginia Tech, 8/2005 - 5/2006.

Research Scholar, one of 4 students selected for participation in a research project studying site-directed mutagenesis of iron-sulfur clusters. Dennis Dean, PhD, Biochemistry Department, Virginia Tech, 1/2006 - 5/2006.

Research Assistant with the creation of a mathematical model of the immune system, Gilles Clermont, MD, Critical Care Department, University of Pittsburgh, Pittsburgh PA, 5/2006 - 8/2006.

Research Assistant studying polytene chromosome formation in *Aedes aegypti* mosquitoes, Zach Adelman, PhD, Entomology Department, Virginia Tech, 8/2006 - 5/2007.

United States Department of Agriculture Research fellowship to study water quality in Ecuadorean indigenous communities, Jeffrey Alwang, PhD, Agriculture Department, Virginia Tech, 5/2007 - 6/2007.

Research Assistant studying arboviruses in mosquitoes from Guinea, Robert Garry, PhD, Microbiology Department, Tulane University, 5/2008 - 8/2008.

Project Leader studying the prevalence of *Ascaris lumbricoides* in Haiti, Elizabeth Glecker, DrPH, Global Community Health and Behavioral Sciences Department, Tulane University School of Public Health, 1/2012 - 3/2012.

Project Leader studying the presence of APOA1 gene in hypertensive rural Haitians. Lee Hamm, MD, Nephrology Department, Tulane University, 1/2012 - 5/2012.

Research Assistant studying adipose mesenchymal stem cells in bariatric patients, Charles Bellows, MD, Surgery Department, Tulane University, 1/2013 - 2/2014.

Trauma/Critical Care Research Leader responsible for conducting weekly research meetings and organizing research projects including IRB submissions, abstract and manuscript writing, Juan Duchesne, MD, Surgery Department, Tulane University, 8/1/2017 - 6/30/2019.

Smith Laboratory, established a translational research lab at Louisiana State University, 3/2021 - present. Supervised research associates: James Giordano (2021 - 2022), Cameron Fontenot (2022), Jenna Dennis (2022 - 2024), Olivia Warren (2022 - 2023), Farhana Rais (2023 - 2024), Ada Ozcan (2024-2025), Dr. Abdul-Razak Masoud (2024 - present), Kaitlyn Andre (2024 - present), Dagwami Demessie (2025-present), David Ash (2025-present)

Membership in Professional Organizations:

American College of Surgeons Fellow	1/2010 - present
Sigma Xi, The Scientific Research Society Member	1/2012 - present
Alpha Omega Alpha Member	3/2016 - present
Association of Women in Surgery Member	1/2018 - present
American Academy of Academic Surgeons Member	1/2018 - present
Eastern Association for the Surgery of Trauma Member	1/2019 - present
Chest Wall Injury Society Member	3/2019 - 3/2023
Southeastern Surgical Congress Member	8/2019 - present
Society of Critical Care Medicine Member	8/2019 - 8/2021
Shock Society Member	2/2020 - present
Louisiana Chapter American College of Surgeons Member	3/2020 - present
The American Association for the Surgery of Trauma Fellow Member	8/2020 - present
Louisiana Committee on Trauma Member	9/2020 - present
Association for Women in Science Member	9/2020 - present
Western Trauma Association Member Initiate	11/2022 - present

Awards and Honors:

1. Virginia Tech, Dean's List: Eight semesters, 2003-2007
2. St. Joan of Arc Medallion Service Award, Pittsburgh Catholic Diocese, 11/2002

3. Dr. Arthur G. Meakin Undergraduate Scholarship, Virginia Tech, 4/2004
4. Dr. Charles Aull Service Award, Virginia Tech, 1/2005
5. Gough Pre-Med Scholarship Recipient, Virginia Tech, 2/2005
6. Barry M. Goldwater National Scholarship Honorable Mention, 1/2006
7. Virginia Tech Women's Club Scholarship Recipient, 3/2006
8. Dean's Award for a Rising Senior, Virginia Tech, 5/2006
9. Outstanding Senior, Biological Sciences Department, Virginia Tech, 5/2007
10. Outstanding Senior, College of Science, Virginia Tech, 5/2007
11. Undergraduate Woman of the Year, Virginia Tech, 5/2007
12. Virginia Tech Principles of Community Award, Virginia Tech, 11/2007
13. First place, Projects Fair Session International Federation of Medical Students General Assembly, 8/2009
14. Medical student poster presentation Finalist, ACP Annual Meeting, 4/2011
15. First Place, Medical Student Basic Science Poster, ACS Clinical Congress, 10/2013
16. McCool Award for Outstanding Student, Surgery Dept, Tulane University, 6/2014
17. Resident Initiative in Global Health Scholar, Tulane University, 1/2016-6/2019
18. Best Resident Paper Award Winner, Louisiana Committee on Trauma, 11/2017
19. Dean's Award for Excellence in Research, Tulane University, 3/2018
20. McSwain Award for Best Resident in Trauma, Surgery Dept, Tulane University, 6/2018
21. Cox-Templeton Injury Prevention Paper Award Winner, EAST, 1/2019
22. Resident of the Year, University Medical Center, New Orleans, LA 5/2019
23. Rudolph Matas Clinical Research Award, Surgery Dept, Tulane University, 6/2019
24. American College of Surgeons-Pfizer Surgical Volunteerism Award, 10/2019
25. First place, Gold Medal Oral Abstract, Southeastern Surgical Congress, 2/2020
26. UMCNO Physician New Faculty Award, 3/2022

27. LCMC Health Physician Leadership Institute Participant, 8/2022
28. LSUHSC Faculty Assembly Award for a Junior Faculty Member, 5/2023
29. Chancellor's LSU Health Excellence Awards Recipient, 11/2023
30. Aesculapian Society Junior Faculty Teaching Award Nominee, 3/2024
31. 2024 Castle Connolly Top Doctor, 4/2024
32. New Orleans Magazine, Top Doctor, 8/2024
33. Center for Clinical and Translational Science Best Three Minute Thesis Presentation, 9/2024
34. 2024 Health Care Hero honoree, New Orleans City Business, 10/2024
35. Aesculapian Society 2025 Excellence in Teaching Award Winner for L4 Class, 3/2025
36. Honoree in CityBusiness' 2025 Women of the Year, 8/2025

TEACHING EXPERIENCE AND RESPONSIBILITIES

Creation of Enduring Teaching Materials:

Trauma Guidelines: Development of trauma guidelines, and order sets for Level 1 trauma center, 5/2018 - present.

Resident Survival Guide: Creation of manual for General Surgery residents at Tulane University to serve as an aid during rotations, 6/2018.

Global surgery skills: Hands on simulation course to teach basic surgical skills to healthcare providers practicing in resource-poor settings, 6/2021 - present.

Surgical Critical Care Handbook: Creation of manual for Surgical Critical Care fellows at LSUHSC, 6/2024

UMCNO Trauma Handbook: Creation of manual with trauma faculty expectations, guidelines, and algorithms, 6/2024

Formal Course Responsibilities:

Basic Life Support Lead Instructor, 8/2007 - present, Tulane Simulation Center, New Orleans, LA. Instructor teaching lay and medical providers on basic life support skills. Instructor responsible for lecture on course material and observing performance of skills. Also provide remediation of the written exam or practical skills for students who do not pass. Teach lecture to individuals interested in becoming instructors to review how to run a course using American Heart Association guidelines. Responsible for monitoring instructors in training to determine if he/she is able to display the necessary skills. Also

responsible for evaluating skills for There are 12-14 provider courses and 1 instructor course per year.

Advanced Cardiac Life Support Instructor/Course Director, 8/2009 - present, Tulane Simulation Center, New Orleans, LA. Instructor teaching medical providers on advanced cardiac life support skills. Instructor responsible for lecture on course material, demonstration of skills, and observing performance of skills. Also provide remediation of the written exam or practical skills for students who do not pass. Responsible for monitoring instructors in training to determine if he/she is able to display the necessary skills to be an instructor. Also responsible for evaluating skills for There are on average 10-12 provider courses per year.

Pediatric Advanced Life Support Instructor/ Course Director, Tulane Simulation Center, New Orleans, LA, 8/2009 - present. Instructor teaching medical providers on advanced cardiac life support skills. Instructor responsible for lecture on course material, demonstration of skills, and observing performance of skills. Also provide remediation of the written exam or practical skills for students who do not pass. Responsible for monitoring instructors in training to determine if he/she is able to display the necessary skills to be an instructor. Also responsible for evaluating skills for instructor candidates. There are on average 1-2 provider courses per year.

Peer educator for clinical skills training, Tulane University School of Medicine; 8/2010 - 5/2014. Instructor responsible for educating junior medical student on history taking, physical exam skills, and clinical diagnosis through lectures, hands-on demonstrations, standardized patients, and simulators. Selected to serve as a peer educator by clinical faculty members. There were on average 4-6 training sessions per year.

Advanced Trauma Life Support (ATLS), Regional Faculty/Course Director/State Faculty, 5/2014 - present, Tulane Simulation Center, New Orleans, LA. Instructor responsibilities included instructing physicians and mid-level providers enrolled in the Provider courses on ATLS guidelines through lectures and teaching stations. Also responsible for providing remediation to students who did not pass the written exam or practical skills. Participation in the Instructor courses There are on average 10-12 provider courses and 2-4 instructor courses per year.

Stop the Bleed, 6/2017 - present, University of Texas Health Science Center San Antonio and University Medical Center. Instructor responsible for teaching bleeding control techniques to medical and lay rescuers through an interactive lecture and hands on skill performance. Currently serving as the medical director for University Medical Center program. There are on average 8-10 courses per year.

Basic Endovascular Skills for Trauma, Fort Sam Houston, 2/2020 - 8/2020. Instructor responsible for teaching the use of resuscitative endovascular balloon occlusion of aorta (REBOA) to physicians and mid-level healthcare providers. Responsibilities included lecture and hands-on demonstration of skills during a cadaver lab.

Opioid Mitigation Initiative: Louisiana State University, 4/2022 - present. Basic science team member for course focused on resident education on opiate use and principles of management. Responsibilities include lecture and didactic sessions. There are on average 1-2 courses per year.

Pathophysiology Nursing Course: Louisiana State University, 10/2022 - present. Nursing course on pathophysiology. Responsibilities include lecture and exam questions. 2-3 courses per year.

Rural Trauma Team Development Course: University Medical Center, 8/2023 - present: Course Director, trauma outreach initiative across the state of Louisiana to educate critical access hospital on trauma care. 4 courses per year.

Standardized Patient Program Working Group Member: Louisiana State University, 2/2024 - present. Creation of a standardized patient program for medical students.

Advanced Surgical Skills Exposure for Exposure in Trauma: Louisiana State University, 8/2024 – present. Organized and run 2 courses/year to teach advanced trauma surgery skills in a cadaver lab.

Graduate Students Trained:

Mentored Michael Okoronkwo, MD: “Community Rounds” initiative to bring sports programs into high-risk neighborhoods, 8/2021 - 6/2024.

Mentored Russell Ledet, PhD: Mentor for the United Health Foundation/NMF Diverse Medical Scholars Program, 11/2021 - 4/2022.

Mentored Michael Alfred: New Orleans Recreation Department outreach efforts and community healthfair, 12/2023 - present

Research Residents: Paige Deville, MD (2022-2023); Sophia Trinh, MD (2023-2024); Dhanushka Vitharana, MD (2024 - 2025), Carolyn Cook, MD (2024-2025)

Resident Advisees: Morgan Brown, MD (2021-present); Javier Ordonez, MD (2021-2023); Alexis Scheuermann, MD (2021 - 2024); Jenny Stevens, MD (2021 - 2024); Sabrina Yu (2024-present); Christopher Oubre (2024-present)

Summer Research Students: Thomas Payne (2021), Wil Plants (2022), Brock Lingle (2022), Joseph Mason (2022), Conner Tipton (2022), Zohaib Lakhani (2022), Jenny Quach (2023), Kenneth Avazino (2023), Mohammed Rais (2023), Kaitlin Couvillion (2023), Cara Ramos (2023), Parvathy Balamurugan (2023), Cameron Fontenot (2023), Adam Langlois (2023), Riley Nguyen (2024), Luther Bishop (2024), Patrick Lalley (2024), Anna Mermilliod (2024), Elise Hernandez (2024), Rebecca Ruester (2024), Charles Dalton (2024), Jalon Walker (2024), Claire Karcher (2024), Eduardo Ruiz (2025), Mary Lee (2025), Patrick Daly (2025)

RESEARCH AND SCHOLARSHIP

Grants and Contracts

Funded:

1. American Medical Student Association

Local Project Grant for the Lower Ninth Ward Clinic
"Improvement of an underserved clinic in New Orleans"
Funding period: 5/2008.
Study Co-PI
Funds awarded: \$500.

2. Tulane University Cancer Center
Matching Funds Graduate Student Grant
"The role of circulating stem cells in colon cancer"
Funding period: 1/2011-1/2012
Study Co-PI with Charles Bellows, MD
Funds awarded: \$10,000.
3. American Academy of Pediatrics
International Community Access to Child Health Grant
"Sante Total: Healthcare for Haiti's Children"
Funding period: 1/2011-1/2013.
Study Co-PI with Alina Olteanu, MD, PhD
Funds awarded: \$6,000.
4. Young Investigator Award, Adaptive Biotechnology Corporation
"Investigation of T cells in obese patients undergoing bariatric surgery"
Funding period: 1/2012-1/2013.
Study PI
Funds awarded: \$2,500.
5. Resident Enhancement Program, Louisiana State University
"A novel treatment strategy to treat pyoderma gangrenosum using EpiFix"
Funding period: 3/2021-3/2023
Study PI
Funds awarded: \$8,000.
6. AAST Research and Education Fund Trauma Critical Care Scholarship
"The Effect of Paracrine Factors Secreted from Adipose Derived Stem Cells on Healing in a Burn Wound Model"
Funding period: 7/1/22-6/30/23
Study PI
Funds awarded: \$50,000.
7. MiMedx
"A novel treatment strategy to treat pyoderma gangrenosum using EpiFix"
Funding period: 3/2023-3/2025
Study PI
Funds awarded: \$64,000.
8. 3M
"Use of V.A.C. VERAFLUO to Deliver Pro-Healing and Anti-Infective Agents in an Acute Porcine Model of Surgical Wounds"
Funding period: 8/2023-4/2025
Study PI

Funds awarded: \$69,863.

9. Dynocardia, Inc
“Performance Evaluation of the Vitrack Continuous Non-invasive Blood Pressure Measurement Device in Trauma Patients”
Funding period: 1/2023-6/2026
Study PI
Funds awarded: \$98,237.24.
10. Aroa Biosurgery
“Prospective observational registry study of Myriad™ Matrix and Myriad™ Morcells in soft tissue reconstruction”
Funding period: 3/28/22-3/28/26
Study PI
Funds awarded: \$2700/patient.
11. Resident Enhancement Program, Louisiana State University
“Inflammatory and Microbial Profile of Peritoneal Fluid from Trauma Patients Following Damage Control Laparotomy”
Funding period: 11/2023-11/2024
Study PI
Funds awarded: \$5,000.
12. Association of Academic Surgery
“Mechanisms of Alcohol-Induced Immunometabolic Dyshomeostasis of Adipose-Derived Stem Cells following Major Injury”
Study PI
Funding period, 5/2024-2/2026
Funds: \$50,000
13. Prytime Medical Devices, Inc Research Award
AORTA Database
Study PI
Funding period: May 2024-May 2026
Funds: \$5,926
14. LifeSciences
“The Use of BloodSTOP iX Trauma Matrix for Tissue Regeneration in a Porcine Burn Model”
Study co-PI
Funding period: Sept 2024-Sept 2025
Funds: \$57,588.55
15. Prytime Medical Devices
“PROMPT- Partial REBOA Outcomes Multicenter Prospective Study”
Study PI
Funding period: August 2024-August 2026
Funds: \$335,378
16. Solventum

“A Multi-Center, Prospective, Open-label, Randomized, Non-inferiority Study of 3M™ Topical Tissue Adhesive versus Commercially Available Tissue Adhesive for the Closure of Traumatic Lacerations and Surgical Incisions (LUBLIN)”

Study PI

Funding period: Sept 2024-Sept 2025

Funds: \$353,483 (study closed early due to the sponsor)

17. GE

“Ultrasound Image Data Collection Study in Critical and Emergency Care Settings for the Development of AI Tools for Rapid Trauma Assessment”

Study PI

Funding period: May 2025-May 2026

Funds: \$128,641

18. LifeSciences

“The Use of BloodSTOP iX Trauma Matrix for Hemorrhage Control in a Porcine Model”

Study PI

Funding period: 7/2025-6/2026

Funds: \$81,039

Not Funded:

1. Southeastern Surgical Congress Sharks Competition

“Inflammatory and Microbial Profile of Peritoneal Fluid from Trauma Patients Following Damage Control Laparotomy”

Funding period: 2/2022

Study PI

Funds: \$5,000

2. Pediatric Trauma Society

“Expanding Access to Firearm Safety Education and Secure Storage Through Biometric Lock Boxes”

Funding period: 11/2023-11/2024

Study co-PI

Funds: \$5,000

3. Shock Society Faculty Award

“Mechanisms of Alcohol-Induced Immunometabolic Dyshomeostasis of Adipose-Derived Stem Cells following Major Burn Injury”

Funding period: 8/2023-8/2025

Study PI

Funds: \$83,000

4. Dept. of the Army- USAMRAA

“Mechanisms of Immune and Energetic Dysfunction Following Combined Burn and Traumatic Brain Injuries”

Study co-PI

Funding period: 7/2024-7/2027

Funds: \$1,567,110

5. K12 Award Center for Clinical and Translational Science
"Bioenergetics and the Inflammatory Response of the Peritoneum from Trauma Patients in the Deep South"
Study PI
Funding period: 8/2024-8/2026
Funds: \$278,662
6. Center for Clinical and Translational Science Pilot Grant
"The Creation of a Biobank for Injured Patients"
Study PI
Funding period: 8/2024-8/2025
Funds: \$30,000
7. Shock Society Faculty Award
"The Use of Peptide Amphiphile Nanofibers via in a Porcine MRSA-Infected Burn Wound Healing Model"
Study PI
Funds: \$83,000
8. Wound Healing Foundation
"Novel Use of Nanofibers to Treat Bacterial Biofilms using a Porcine Burn Model"
Study PI
Funding period: Sept 2024-2025
Funds: \$15,000

Journal Publications

Refereed:

1. Bellows CF, **Smith AA**, Hodde J, Hiles M. Tissue engineering in abdominal wall surgery. *Minerva Chir.* 2011. 66:129-43. PMID: 21593715.
2. Bellows C, **Smith AA**, Malsbury J, Helton WS. Repair of incisional hernias with biologic prosthesis: A systematic review of current evidence. *Am J Surg.* 2013. 205:85-101. PMID: 22867726.
3. Bellows CF, **Smith AA**, Wheeler J, Morici L. Nasal carriage of methicillin-resistant *Staphylococcus aureus* among students in a Louisiana medical university. *Braz J Infect Dis.* 2013. 17:118-9. PMID: 25804060.
4. Rodgman C, **Smith AA**, Roberts J. A case of schizophrenia in post-earthquake Haiti. *The American J Psychiatry Residents Journal.* 2013. 8:8-9.
5. Bellows CF and **Smith AA**. *In vitro* study of biofilm growth on biologic prosthetics. *Pol J Microbiol.* 2014. 63:409-14. PMID: 25804060.
6. **Smith AA**, Couvillion R, Zhang R, Killackey M, Buell J, Lee B, Saggi B, Paramesh A. Incidence and severity of leukopenia/neutropenia in kidney transplant recipients following one dose alemtuzumab induction: a prospective review of 233 patients. *Transplant Proc.* 2014. 46:3400-4. PMID: 25498059.

7. Schroll R, **Smith AA**, McSwain N, Myers J, Rocchi K, Inaba K, Siboni S, Vercruysee G, Ibrahim-zada I, Sperry J, Martin-Gill C, Cannon J, Holland S, Schreiber M, Lape D, Eastman A, Stebbins C, Ferrada P, Han J, Meade P, Duchesne J. Military to civilian experience- a preliminary multi-institutional analysis of pre-hospital tourniquet use. *J Trauma Acute Care Surg*. 2015. 79:10-4. PMID: 26091308.
8. Hauch A, John M, **Smith AA**, Dortonne I, Patel U, Kandil E, Killackey M, Paramesh A, Lee B, Zhang R, Buell JF. Generics: Are all Immunosuppression agents created equally? *Surgery*. 2015. 158:1049-54. PMID: 26206317.
9. **Smith AA**, John M, Dortonne I, Paramesh A, Killackey M, Jaffe B, Buell J. Racial Disparity in African American Renal Transplants: Is Alemtuzumab Induction the Great Equalizer? *Ann Surg*. 2015. 262:669-74. PMID: 26366547.
10. Lundberg P, **Smith AA**, Heaney J, Wimley W, Nichols R, Korndorffer J. Preoperative antisepsis protocol compliance and the effect on bacterial load reduction. *Surg Infect (Larchmt)*. 2016. 17:32-7. PMID: 26431266.
11. **Smith AA**, Fonseca A, Naljayan M, Paramesh A. Retroperitoneal hematoma causing peritoneal dialysis catheter malfunction. *J La State Med Soc*. 2016. 168:137-9. PMID: 27383854.
12. Martin MS, **Smith AA**, Lobo M, Paramesh AS. Successful treatment of recurrent pulmonary mucormycosis in a renal transplant patient: A case report and literature review. *Case Rep Transplant*. 2017. 1925070. PMID: 28386509.
13. **Smith AA**, Darden M, Al-Qurayshi Z, Paramesh, AS, Killackey M, Kandil E, Parker G, Balart L, Friedlander P, Buell JF. Liver transplantation in New Orleans: Parity in a world of disparity? *HPB (Oxford)*. 2017. 19:793-798. PMID: 28647164.
14. Paramesh AS, Neidlinger N, Salvatore M, **Smith AA**, Friedman A, Payne W, Taber T, Wright C. Strategies to prevent Unintended Use of Kidneys Exported for High PRA (>98% cPRA) Recipients. *Am J Transplant*. 2017. 17:2139-2143. PMID: 28168823.
15. Bellows CF and **Smith AA**. Laparoscopic skills training of surgical residents: A comparison of two proficiency-based independent approaches. *Mini-invasive Surg*. 2017. 1, 126-132.
16. Bellows CF and **Smith AA**. Role of oral and intravenous pre-operative antibiotics in elective colon surgery. *Ann Laparosc Endosc Surg* 2017. 2:18.
17. Silver D, **Smith AA**, Khadra H, Ducoin C, Hamner J. Hidden dangers of duotubes: a case report and literature review. 2018. *EC Gastroenterology and Digestive System*. 5.7: 475-479.
18. **Smith AA**, Konstantinidis IT, Fong Y, Martinie J, Iannitti D, Buell JF. A multi-institutional analysis of minimally invasive liver resections. *Laparosc Surg* 2018;2:35.
19. Schroll R, **Smith AA**, Llado-Farrulla M, Al-Dahir S, Forrette T, Duchesne J, Hunt J, Greiffenstein P, Marr A, Mooney J. Minimal leak test versus manometry for endotracheal cuff pressure monitoring: A pilot study. *Pan Am Trauma J*. 2019. 8:139-142.

20. Carr C, **Smith AA**, Marturano M, Hakki L, Friedman J, Guidry C, McGrew P, McGinness C, Duchesne J, Schroll R. Ventilator associated pneumonia: how do the different criteria for diagnosis match up? *Am Surg*. 2019. 85(9):992-997. PMID: 31638512.
21. **Smith AA**, Ibraheem K, Tatum D, Schroll R, Guidry C, McGrew P, McGinness C, Duchesne J. Failure to rescue: a quality improvement imperative in achieving zero death in damage control laparotomy patients. *Am Surg*. 2019. 85(9):973-977. PMID: 31638509.
22. Pointer D, **Smith AA**, Slakey D, Tatum D, Schindelar L, Slakey A, Duchesne J, Nichols RL. More is Not Better: Implications of Antibiotic Practice Management Guidelines for Penetrating Trauma Hollow Viscus Injury in a Level I Trauma Center. *Am Surg*. 2019. 85(11):e530-e532. PMID: 31775982.
23. Reilly R, Simpson JT, Evans M, **Smith AA**, Duchesne J. Unstable without a source: the non-diagnostic triad in hypotensive blunt trauma victims. *JEVTM*. 2019. 3:22-26.
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13. Brown T, Carr B, **Smith AA**, Mittal S, Chapman B, Risher W, Marr A, Stuke L, Greiffenstein P, Schoen J, Ustunsoz B, Hunt J. ECMO and the Vanishing Bullet: A Case Report of a Bullet Embolus to the Pulmonary Artery. 2022. *Critical Care Medicine*. 50 (1): 767.
14. Ninokawa S, Nakagawa, Y, **Smith AA**, Guidry C, Taghavi S, McGrew P, Duchesne JC, Schroll RW. Removal of Lodged Bullets after Abdominal/Pelvic Gunshot Wounds Does Not Prevent Osteomyelitis. 2021. *JACS*. 233(5): S281-S282.

15. Beiter K, **Smith AA**, Tedesco A, Brown T, Chapman BM, Marr AB, Stuke LE, Schoen JE, Greiffenstein P, Hunt JP. Discrepancies in Mass Shootings and Access to Trauma Care Across the US, 2014-2018. 2021. *JACS*. 233(5):S291.
16. Reed T, Gallegos E, Shammassian B, Marr A, Stuke L, Greiffenstein P, Schoen J, Hunt J, **Smith AA**. Are Cervical CT Scans Necessary in All Intoxicated Trauma Patients: A Retrospective Evaluation of Predictors for C-Spine Injuries. 2022. *J Neurotrauma*. 39 (11-12): A124-A124.
17. Bellfi L, Riggs A, Waguespack T, Boudreau R, Zimmerman SA, Duchesne J, McGrew P, Hunt, J, Stuke L, Greiffenstein P, Schoen J, Marr A, **Smith AA**. Methicillin-Resistant *Staphylococcus aureus* nares screen leads to Vancomycin De-escalation in trauma. 2023. *Crit Car Med*. 51(1): 643.
18. Deville P, **Smith AA**, Phelan H, Carter J, Warren O, Fontenot C. 106 Adipose Derived Stem Cell Paracrine Factor Release in Smokers vs Non Smokers with Burn Injuries, *Journal of Burn Care & Research*, Volume 44, Issue Supplement_2, May/June 2023, Page S62.
19. Robinson JM, Trinh S, Dennis J, Fontenot C, Hobden J, Schoen JE, Phelan HA, Carter JE, **Smith AA**. The Inflammatory Response of Patients with Major Burns and Traumatic Injuries. 2024. *J Burn Care Res*. 45 (1): 265-266.
20. Robinson JM, Trinh S, Dennis J, Fontenot C, Hobden J, Schoen JE, Phelan HA, Carter JE, **Smith AA**. Influence of Co-morbid Modifiable Risk Factors on Adipose-Derived Stem Cell Paracrine Factors in Burn Patients. 2024. *J Burn Care Res*. 45(1): 16-16.

Book Chapters:

1. **Smith AA** and Jenkins D. "Emergency Surgery as a Team Sport." pp 459-472. In: *The Acute Management of Surgical Disease*. 2021. Springer. Zielinski MD and Guillaumondegui O, ed.
2. **Smith AA**. "Needle Decompression." pp 704-710. In: *Prehospital Medicine: Principles, Pearls & Pitfalls*. 2020. International PreHospital Medicine Institute. Chapleau W, Chapman G, Hunter MJ, Pons PT, Stuke L, ed.
3. Quick JA, **Smith AA**, Jenkins DH, Holcomb JB, Barnes SL, Koenig SJ. "Resuscitation from Shock Following Hemorrhage." pp. 328-340. In: *Irwin and Rippe Intensive Care Medicine*, 9th edition. Jul 2023. Dorfman J, ed.
4. Fontenot C, Richard J, Bordes SJ, **Smith AA**. "Internal Carotid Artery." Pp. In: *The Clinical Anatomy of the Vascular System*. Apr 2025. Bordes S, Iwanaga J, Loukas M, Tubbs RS, ed.

Scientific Presentations

Local Presentations:

1. **Smith AA**, Adelman Z, Myles K, Mullins D, Fell R, Traoré S. "Pilot study concerning the prevalence of *Plasmodium falciparum* and O'nyong-nyong virus in *Anopheles funestus* in

Mali, West Africa.” Poster Presentation, Virginia Tech Vector-Borne Research Conference, Oct 2006.

2. **Smith AA**, Zucker S, Lladó-Farrulla M, Friedman J, Guidry C, McGrew P, Schroll R, McGinness C, Duchesne J. “Bicycle lanes: are we running in circles or cycling in the right direction?” Poster presentation, Tulane University Health Sciences Research Days. Feb 2017.
3. **Smith AA**, Friedman J, Raju S, Fiske H, Zucker S, Aysenne A, Schroll R. “Early Mobility Protocol in the Surgical ICU: A ‘Test-Run’ in an Academic Center.” Oral presentation, Louisiana Chapter of the American College of Surgeons. Jun 2017.
4. **Smith AA**, Ochoa J, Wong S, Beatty S, Elder J, McGrew P, Guidry C, McGinness C, Duchesne J, Schroll R. Pre-hospital tourniquet use in penetrating extremity trauma: decreased blood transfusions and limb complications. Poster presentation, Tulane University Health Sciences Research Days. Feb 2018.
5. **Smith AA**, Ochoa J, Wong S, Beatty S, Elder J, McGrew P, Guidry C, Duchesne J, Schroll R. “Pre-hospital tourniquet use in penetrating extremity trauma: decreased blood transfusions and limb complications.” Oral presentation, Louisiana Chapter of the American College of Surgeons. Jan 2019.
6. **Smith AA**, Alkhateb R, Braverman M, Shahan CP, Axtman B, Nicholson S, Greebon L, Eastridge B, Babbitt Jonas R, Stewart R, Jenkins D. Not Just for Trauma: A Case Series of Non-Trauma Patients Receiving Whole Blood Transfusion. Poster presentation, University of Texas Health San Antonio Research Days. Apr 2020.
7. **Smith AA**, Alkhateb R, Braverman M, Shahan CP, Axtman B, Nicholson S, Greebon L, Eastridge B, Babbitt Jonas R, Stewart R, Jenkins D. Not Just for Trauma: A Case Series of Non-Trauma Patients Receiving Whole Blood Transfusion. Oral presentation, Military City USA Trauma Collaborative Research Conference. Aug 2020.

National Presentations:

1. **Smith AA** and Bausch D. “Tulane University Chapter of Doctors for Global Health: Putting principles of social justice into practice.” Oral Presentation, American Public Health Association, Nov 2009.
2. **Smith AA** and Chehardy P. “Emergency care for high risk populations by non-profit community facilities in New Orleans.” Oral Presentation, American Public Health Association, Nov 2009.
3. **Smith AA**, Chakraborti C, Owens G. “No inflammation means reoccurrence.” Poster Presentation, Society of General Internal Medicine, April 2010.
4. **Smith AA** and Pratt C. “The delivery of comprehensive healthcare to underserved Haitian populations through medical student-coordinated field clinics.” Oral Presentation, Society of Teachers of Family Medicine, May 2011.

5. **Smith AA** and LeDoux E. "A convincing case of Nitrofurantoin-induced systemic inflammation response syndrome." Poster presentation, Society of Hospital Medicine, May 2011.
6. **Smith AA** and Bellows CF. "Biofilm growth on biologic meshes used for surgical repair." Poster presentation, American Society of Microbiology Biofilm Meeting, Oct 2012.
7. **Smith AA** and Bellows CF. "The use of paracrine factors from reprogrammed mesenchymal stem cells to treat biofilm-infected wounds *in vivo*." Poster presentation, American College of Surgeons, Oct 2013.
8. **Smith AA**, Couvillion R, Killackey M, Zhang R, Saggi B, Buell J, Paramesh A. "Incidence and severity of leukopenia/neutropenia in kidney transplant recipients following one dose alemtuzumab induction: a prospective review of 232 patients." Poster presentation, World Transplant Congress, July 2014.
9. **Smith AA**, Hauch A, Kandil E, Paramesh A, Killackey M, Moehlen M, Balart L, Buell J. "Racial disparity in liver transplantation in an inner city population." Oral poster presentation, Americas Hepato-Pancreato-Biliary Association. Mar 2015.
10. **Smith AA**, John M, Dortonne I, Paramesh A, Killackey M, Zhang R, Lee B, Jaffe B, Buell J. "Racial Disparity in African American Renal Transplants: Is Alemtuzumab Induction the Great Equalizer?" Oral presentation, American Surgical Association. Apr 2015.
11. **Smith AA**, Lundberg P, Bock J, Nichols RL, Korndorffer J. "Preoperative antisepsis protocol compliance and the effect on bacterial load reduction." Oral presentation, Surgical Infection Society. April 2015.
12. **Smith AA**, Friedman J, Raju S, Fiske H, Zucker S, Aysenne A, Schroll R. "Early Mobility Protocol in the Surgical ICU: A 'Test-Run' in an Academic Center." Oral presentation, Society of Critical Care Medicine Meeting. Feb 2018.
13. **Smith AA**, Konstantinidis I, Fong Y, Martini J, Iannitti D, Buell JF. "A multi-institutional analysis of minimally invasive liver resections." Oral presentation, Americas Hepato-Pancreato-Biliary Association. Mar 2018.
14. **Smith AA**, Friedman J, Raju S, Onyiego A, Guidry C, McGrew P, Duchesne J, Schroll R. "Initiation of the early mobility protocol in surgical and trauma ICUs patients." Oral presentation. American College of Surgeon Quality and Safety Conference. July 2018.
15. **Smith AA**, Hakki L, Marturano M, Guidry C, McGrew P, McGinness C, Schroll R, Duchesne J. "TEG in Trauma Patients: Every Minutes Counts." Oral presentation, World Trauma Congress. Sept 2018.
16. **Smith AA**, Ochoa J, Wong S, Beatty S, Elder J, McGrew P, Guidry C, Duchesne J, Schroll R. "Prehospital tourniquet use in penetrating extremity trauma: decreased blood transfusions and limb complications." Oral presentation, American Association for Surgery of Trauma. Sept. 2018.

17. **Smith AA**, Zeoli T, Martin M, Baker S, Greiffenstein P, Moore M, McGrew P, Duchesne J, Avegno J, Schroll R. "Medical Students as 'Stop the Bleed' Instructors." Oral presentation, American College of Surgeons Clinical Congress. Oct. 2018.
18. **Smith AA**, Zucker S, Lladó-Farrulla M, Friedman J, Guidry C, McGrew P, Schroll R, McGinness C, Duchesne J. "Bicycle lanes: are we running in circles or cycling in the right direction?" Oral presentation, Eastern Trauma Association. Jan 2019.
19. **Smith AA**, Pointer D, Tatum D, Slakey D, Schindelar L, Slakey A, Duchesne J, Nichols RL. "More is not better: implications of antibiotic practice management guidelines for penetrating trauma hollow viscus injury at a level I trauma center." Oral presentation, Southeastern Surgical Congress. Feb. 2019.
20. **Smith AA**, Onyiego A, Friedman J, Schroll R, McGinness C, Duchesne J, McGrew P, Guidry C. "What's the skinny: clinical outcomes for obese trauma patients." Oral presentation, Southeastern Surgical Congress. Feb. 2019.
21. **Smith AA**, Demaree C, JT Simpson, Guidry C, McGrew P, Schroll R, McGinness C, Duchesne J. "Operative ETCO₂ as a predictor of mortality in trauma patients undergoing massive transfusion protocol." Oral presentation, Southeastern Surgical Congress. Feb. 2019.
22. **Smith AA**, Ibraheem K, Tatum D, Schroll R, Guidry C, McGrew P, McGinness C, Duchesne J. "Failure to rescue: A quality improvement imperative in achieving zero death in damage control laparotomy patients." Oral presentation, Southeastern Surgical Congress. Feb. 2019.
23. **Smith AA**, Schroll R, McGrew P, Guidry C, McGinness C, Duchesne J. "What are the clinical outcomes for damage control laparotomy in patients of advanced age?" Oral presentation, Academic Surgical Congress. Feb. 2019.
24. **Smith AA**, Mejia Morales H, Fabian R, Friedman J, Guidry C, McGrew P, Schroll R, McGinness C, Duchesne J. "Revisiting the risk of intra-abdominal abscesses with drain use in liver trauma." Oral presentation, Academic Surgical Congress. Feb. 2019.
25. **Smith AA** and McGrew P. "Pulmonary contusion causing acute respiratory distress syndrome after rib plating: report of two cases." Oral presentation, Chest Wall Injury Summit. Mar 2019.
26. **Smith AA**, Hummel L, Yusin T, Nguyen T, Hoof M, Taghavi S, Harris C, McGrew P, Guidry C, McGinness C, Duchesne J, Schroll R. "Mass Shooting in the United States, 2016-2018: An Analysis of the Currently Available Open Source Data." Poster presentation, American College of Surgeons. Oct 2019.
27. **Smith AA**, Avegno J, Slaughter K, Nguyen V, Zeoli T, Tagerman D, Friedman J, McGrew P, Schroll R, Duchesne J. "A five year analysis of patterns in gunshot wounds at a Level I trauma center in a major urban city." Poster presentation, American College of Surgeons. Oct 2019.

28. **Smith AA**, Harris C, Tatum D, Taghavi S, McGrew P, Guidry C, Schroll R, McGinness C, Duchesne J. "What's in your fridge? An EAST Survey of Trauma Surgeons on Blood Refrigerators." Oral presentation. Southeastern Surgical Congress. Feb 2020.
29. **Smith AA**, Duchesne J, Tatum D, Harris C, Moreno-Ponte O, Strumwasser A, Inaba K, O'Keeffe T, Black J, Quintana M, Gupta S, Schreiber M, Smith S, Pickett M, Cripps M, Guidry C. "Do Geriatric Service Impact Mortality in Elderly Trauma Patients Following Damage Control Laparotomy?" Oral presentation. Southeastern Surgical Congress. Feb. 2020.
30. **Smith AA**, Duchesne J, Marturano M, Lawicki S, Sexton K, Taylor J, Richards J, Harris C, Moreno-Ponte O, Cannon J, Guzman J, Pickett M, Cripps M, Curry T, Costantini T, Guidry C. "Does Gender Matter? A Multi-Institutional Analysis of TEG/ROTEM Profiles for 1565 Trauma Patients with Severe Hemorrhage." Oral presentation. Southeastern Surgical Congress. Feb 2020.
31. **Smith AA**, Harris C, Tatum D, Taghavi S, McGrew P, Guidry C, Schroll R, McGinness C, Duchesne J. "An EAST Survey of Trauma Surgeons on Massive Transfusion Protocols and Resuscitation Practices." Oral presentation. Southeastern Surgical Congress. Feb 2020.
32. **Smith AA**, Alkhateb R, Braverman M, Shahan CP, Axtman B, Nicholson S, Greebon L, Eastridge B, Babbitt Jonas R, Stewart R, Jenkins, D. Not Just for Trauma: A Case Series of Non-Trauma Patients Receiving Whole Blood Transfusion. Poster presentation. Military Health System Research Symposium. Aug 2020.
33. **Smith AA**, Duchesne J, Schroepfel T, Teicher EJ, Ferrada P, Fullerton RD, McNickle AG, Truitt MS, Todd SR, Turay D, Godat LN, Khor D, Bardes J, Myers JG, Schroll R. AAST Multi-Center Prospective Analysis of Prehospital Tourniquet Use for Extremity Trauma. Poster presentation. American Association for Surgery of Trauma. Sept 2020.
34. **Smith AA**, Braverman M, Axtman B, Shahan CP, Pokorny D, Barry L, Corra H, Shields M, Schauer S, Bynum J, Schaefer R, Epley E, Winckler C, Eastridge B, Nicholson S, Jenkins D. Pre-hospital Whole Blood Does Not Improve Survival for Trauma Patients with On-scene CPR. Oral presentation, Academic Surgical Congress. Feb 2021.
35. **Smith AA**, Axtman B, Winckler CJ, Wampler D, Braverman M, Shahan CP, Jonas RB, Shiels M, Eastridge B, Stewart R, Nicholson S, Jenkins D. Case Series of Finger Thoracostomies Performed by Ground EMS Units. Oral presentation, Southwestern Surgical Congress. Sept 2021.
36. **Smith AA**, Fitzpatrick-Schmidt T, Beiter K, Scharf P, Brown T, Chapman B, Schoen J, Stuke L, Greiffenstein P, Marr A, Hunt JP. The COVID-19 Pandemic and its Impact on Mass Shootings in Six Major US Cities. Poster presentation. AAST. Sept 2021.
37. **Smith AA**, Bellows CF. The Effect of Different Culture Techniques on the Mesenchymal Stem Cell Inflammatory Profile. Poster presentation. Shock Society. Oct 2021.
38. **Smith AA**, Bellows CF. The Efficacy of Paracrine Factors from Mesenchymal Stem Cells to Treat Biofilm-Infected Wounds in a Murine Model. Poster presentation. Shock Society. Oct 2021.

39. **Smith AA**, Fontenot C, Lau F, Phelan H, Carter J, Hobden J. Cytokine profile of adipose-derived stem cells from patients with severe burn injuries. Poster presentation. Shock Society. Jun 2022.
40. **Smith AA**, Cone J, Hoefer L, McNickle A, Fraser D, Mitchao D, Kostka R, Mooney J, Martinez B, Schroepel T, Shahan CP, Cavalea A, Bjordahl P, Axtman B, Braverman M. Multi-Center Study of Intra-Abdominal Abscess Formation After Major Operative Hepatic Trauma. Poster presentation. AAST. Sept 2022.
41. **Smith AA**, Fontenot C, Carter J, Phelan H, Schoen J, Hobden J, Warren O, Deville P, Siggins R, McTernan P, Molina P. Impact of Ethanol Intoxication on Adipose-Derived Stem Cell Paracrine Factors in Burn Patients. Oral presentation. Academic Surgical Congress. Feb 2023.
42. **Smith AA**, Dennis J, Warren O, Deville P, Fontenot C, Hobden J, Carter J, Molina P, Kovacs E, Phelan H. Adipose-derived stem cells from Burn Patients with Higher Body Mass Index have Increased CO₂ Retention. Poster presentation. Shock Society. Jun 2023.
43. **Smith AA**. "The Effect of Paracrine Factors Secreted from Adipose Derived Stem Cells on Healing in a Burn Wound Model- Progress Update." Oral presentation. AAST. Sept 2023.
44. **Smith AA**, Dennis J, Deville P, Trinh S, Ramos C, Couvillion K, Leonardi C, Feroze A, Dewenter T, Siggins R, McTernan P, Molina P, Carter J, Phelan H, Schoen J. "Adipose-Derived Stem Cells Secrete Pro and Anti-Inflammatory Cytokines After Major Burn Injury." Oral presentation. AAST. Sept 2024.

International Presentations:

Smith AA and Heiman M. "Medical surplus warehouses to help developing countries." Poster Presentation, United States Medical Student Delegation representative at the International Federation of Medical Students General Assembly; Ohrid, Macedonia, August 2009.

Media Appearances:

1. MTV News Interview on Virginia Tech shootings; 4/2007
2. MTV News Special on Virginia Tech graduation; 5/2007
3. WGNO New Orleans TV Interview on Hurricane Katrina recovery in lower 9th Ward, 9/2007
4. MTV News Series on the earthquake in Haiti earthquake relief efforts, 1/2010
5. Kathmandu, Nepal local news, CPR education, 5/2014
6. WDSU New Orleans TV Interview on CPR/AED education, 5/2019
7. Fox 8 New Orleans TV Interview on gun violence, 7/2022

8. Fox 8 New Orleans TV Interview on pediatric gun violence, 11/2023
9. Normand Newell Radio Show Interview on gun violence, 11/2023
10. WGNO New Orleans TV Interview on Stop the Bleed, 11/2023

Invited Presentations and Seminars:

1. Tulane University School of Medicine Presentation. "Medical Student Experience in Haiti After the Earthquake." New Orleans, LA. Feb 2010.
2. Tulane Department of Psychiatry Grand Rounds. "Sante Total: Delivery of Primary Healthcare in Rural Haiti." New Orleans, LA. Dec 2012.
3. Tulane University Global Health Seminar. "Sante Total: Delivery of Primary Healthcare in Rural Haiti." New Orleans, LA. Apr 2014.
4. Tulane University School of Medicine Interdisciplinary Seminar. "My Journey to Haiti and Back." New Orleans, LA. Mar 2016.
5. Tulane Department of Surgery Grand Rounds. "The Epidemic of Mass Shootings in the United States: The Past, Present, and Future." New Orleans, LA. Mar 2019.
6. Southern Society of Clinical Surgeons. "Prehospital tourniquet use in penetrating extremity trauma: decreased blood transfusions and limb complication." New Orleans, LA. Mar 2019.
7. American College of Surgeons, Operation Give Back. "Many Hands Make the Load Lighter: A Reflection on Medical Volunteer Work in Haiti." San Francisco, CA. Oct 2019.
8. University of Texas Health Science Center, Global Health Interest Group. "Many Hands Make the Load Lighter: A Reflection on Medical Volunteer Work in Haiti." San Antonio, TX. Dec 2019.
9. University of Texas Health Science Center. Trauma Institute of San Antonio Critical Care Webcast Series. "Tranexamic Acid for Trauma Patients in Hemorrhagic Shock: Hero or Villain?" San Antonio, TX. Jan 2020.
10. University of Texas Health Science Center. Trauma Institute of San Antonio Critical Care Webcast Series. "Intravenous Fluid Resuscitation: So Many Options, So Little Evidence." San Antonio, TX. Apr 2020.
11. University of Texas Health Science Center, Trauma Institute of San Antonio Critical Care Webcast Series. "Steroids for the Critically Ill." San Antonio, TX. May 2020.
12. Southwest Texas Regional Advisory Council. "Not Just for Trauma: A Case Series of Non-Trauma Patients Receiving Whole Blood Transfusion." San Antonio, TX. Oct 2020.

13. Louisiana State University, New Orleans, Student International Health Organization. "Many Hands Make the Load Lighter: A Reflection on Medical Volunteer Work in Haiti." New Orleans, LA. Nov 2020.
14. Louisiana State University, New Orleans, Microbiology Department Seminar. "Mesenchymal Stem Cells for the Critically Ill." New Orleans, LA. Mar 2021.
15. Louisiana State University. Infectious Disease Department Seminar. "Mesenchymal Stem Cells for the Critically Ill." New Orleans, LA. Nov 2021.
16. Louisiana State University School of Veterinary Medicine. Department Research Seminar. "Mesenchymal Stem Cells for the Critically Ill." Baton Rouge, LA. Nov 2021.
17. Prytime Medical pREBOA PRO Centers of Excellence Meeting. "Reduction of distal ischemia with pREBOA-PRO in a case requiring extended occlusion time." New Orleans, LA. Nov 2021.
18. Eastern Association for the Surgery of Trauma. "Playing the Research Long Game: Strategic Planning Course for Academic Success." Moderator and panel member. Austin, TX. Jan 2022.
19. American Roentgen Ray Society Annual Meeting. "Cholecystitis, Colitis (C-Diff), and Shock Bowel." New Orleans, LA. Apr 2022.
20. Prytime Medical pREBOA PRO Centers of Excellence Meeting. "Supporting cardiac perfusion with pREBOA-PRO: Reduced visceral ischemia during extended occlusion." New Orleans, LA. Jul 2022.
21. McSwain Trauma Education Project. "Management of Shock Today." Cancun, Mexico. Dec 2022.
22. Southeastern Surgical Congress. "Provider Wellness in the Face of Escalating Urban Violence: A Trauma Surgeon's Perspective." Savannah, GA. Feb 2023.
23. McSwain Third Thursday Prehospital Trauma Talk. "Do Not Panic in the Face of Blood: Prehospital Adjuncts for Hemorrhage." Virtual. Aug 2023.
24. East Jefferson EMS Refresher. "Do Not Panic in the Face of Blood: Prehospital Adjuncts for Hemorrhage." Metairie, LA. Nov 2023.
25. Gulf Coast Trauma Symposium. "Do Not Panic in the Face of Blood: A Review of Prehospital Adjuncts for Hemorrhage Control." Biloxi, MS. Mar 2024.
26. New Orleans River Region Chapter of the Louisiana Association of Nationally Registered Emergency Medical Technicians monthly meeting. "Do Not Panic in the Face of Blood: A Review of Prehospital Adjuncts for Hemorrhage Control." Metairie, LA. Jul 2024.
27. New Orleans River Region Chapter of the Louisiana Association of Nationally Registered Emergency Medical Technicians EMS Refresher. "Do Not Panic in the Face

of Blood: A Review of Prehospital Adjuncts for Hemorrhage Control.” Kenner, LA. Aug 2024.

28. Wright State University Department of Pharmacology & Toxicology Visiting Professor. “Wound Healing and Alcohol Use in Injured Patients.” Dayton, OH. Oct 2024.

29. Louisiana State University. Department of Anatomy Seminar. “Personalized Medicine for the Injured Patient.” New Orleans, LA. Mar 2025.

Editorial Posts and Activities

Editorial:

Language editor, *Mini-Invasive Surgery*, 1/2017-6/2018

Reviewer:

British Medical Journal Case Reports, 1/2017-present

Annals of Surgery, 6/2017-10/2017

American Surgeon, 4/2020-present

American Journal of Surgery, 4/2020-present

Trauma Surgery and Acute Care Open, 7/2020-present

Journal of Acute Care and Trauma, 7/2024-present

SERVICE ACTIVITIES

University/Institutional Service

Leadership Roles:

Institutional Review Board Vice Chair, Louisiana State University,
3/2023 - present

Director of Injury Research, Louisiana State University, 7/2023 - present

Associate Trauma Medical Director, University Medical Center, 3/2024 - present

Louisiana State Committee on Trauma Co-Chair, 3/2024 - 3/2027

Surgical Critical Care Fellowship Co-Program Director, 7/2024 - present

Departmental committees:

Grand Rounds Committee Member, Tulane University
6/2018 - 6/2019

Resident Research/Quality Improvement Committee Member, Tulane University
6/2018 - 6/2019

Clinical Competency Committee member, Louisiana State University
10/2021 – present

Plastic Surgery Search Committee, Louisiana State University, 5/2024 - present

Hospital committees:

Quality Improvement Resident Council Member, University Medical Center
1/2017 - 1/2018

Academic Advisory Council member, University Medical Center
6/2017 - 6/2018

Operating Room Committee Resident Member, Tulane University
6/2018 - 6/2019

Trauma Performance Improvement Committee Member, University Medical Center
9/2020 - present

Trauma Multi-Disciplinary Committee Member, University Medical Center
9/2020 - present

Challenging Behaviors Task Force Member, University Medical Center
3/2022 - 10/2022

Burn Performance Improvement Committee Member, University Medical Center
4/2023 - present

Medical Executive Committee, University Medical Center
11/2023 - present

Robotics Committee, University Medical Center
3/2024 - present

Associate Trauma Medical Director, University Medical Center
3/2024 - present

Surgical Infection Committee, University Medical Center, 6/2024 - present

University committees:

Institutional Review Board full member, Louisiana State University,
1/2021 - present

Advisor, Student International Health Organization, Louisiana State University
3/2021 - present

MD/PhD Program Advisory Committee member, Louisiana State University,
5/2022 - present

Women's Affairs Committee member, Louisiana State University,
10/2022 - present

Institutional Review Board Vice Chair, Louisiana State University
3/2023 - present

Advisor, Surgical Interest Group, Louisiana State University
3/2023 - 6/2024

Faculty Assembly, Clinical Sciences delegate, Louisiana State University
6/2023 - 6/2025

Director of Injury Research, Louisiana State University
7/2023 - present

National Service

Professional society:

American College of Surgeons, Mock Interview Session volunteer, 10/2018

EAST, Co-Moderator, Injury Prevention Session, 1/2020

EAST, Multi-institutional Studies Committee member, 1/2021 - 1/2024

AAST, Disaster Management Committee member, 2/2021 - 5/2023

AASF Board of Directors, Board member at Large, 3/2021 - 3/2027

AAST, Critical Care Committee member, 5/2023 - present

ACS, Committee on Global Engagement, 1/2024 - present

ACS, International Relations Committee, 1/2024 - present

Industry:

Aroa Biosurgery Consultant, 7/2022-present

Prytime Product Advisory Board, 4/2023-present

Prytime Clinical Advisory Board, 3/2024-present

Clinical Service:

In-patient service activities

University Medical Center, I am a full-time practicing Trauma/Critical Care/Acute Care surgeon since 10/2020. Per year, I average 28 clinical weeks per year which is broken down into 50 24-hour trauma calls, 9 ICU weeks, 18 floor weeks, and 18 clinic weeks. This averages to over 40 hours per week in a given month. I perform approximately 160 surgical cases per year at this facility.

Clinic Coverage

University Medical Center Trauma Clinic, since 10/2020, I average 18 clinic weeks per year. Clinic duration is 4 hours per week.

Call

University Medical Center, since 10/2020, I average 50 24-hour trauma calls per year.

Children's Hospital of New Orleans, I have provided back up Trauma call coverage since 7/2022 to this facility which is an average of 104 12-hour calls each year. I am available to present to the hospital to provide assistance with the management of acute trauma cases.

North Oaks Medical Center, I am a locum tenens surgeon at this facility since 1/2021-1/2025 providing additional Trauma, Critical Care, and Acute Care services. I take an average of 12 16-hour trauma calls per month with an average of 10 surgical cases per year.

Community Service/Extracurricular Activities:

Laurel Ballet Theater Junior Company Member, Greensburg, PA; 8/1999 - 5/2003

Blacksburg Ballet Theater Senior Company Member, Blacksburg, VA; 8/2003 - 5/2004

Aquarist Internship, Pittsburgh Zoo and Aquarium, Pittsburgh, PA; 5/2004 - 8/2004

Volunteer, Aboriginal Scrub Hill Farm, Hervey Bay, Australia University of Pittsburg; 5/2004

Volunteer, Minas de Oro, Honduras, Newman Community; 3/2005

Board Member, Newman Community, Virginia Tech, 1/2005 - 1/2007

Medical volunteer, Beverly, Kentucky, Red Bird Clinic; 6/2005 - 7/2005

Volunteer, Oaxaca, Mexico, Newman Community; 3/2006

Volunteer, Browning, Montana, Blackfeet Reservation, Global Volunteers International; 6/2006

Medical volunteer, Puerto Plata, Dominican Republic, Project Esperanza; 1/2007 - 1/2015

Medical volunteer, New Orleans, LA, Lower Ninth Ward Health Clinic; 8/2007 - 8/2010

Medical volunteer, New Orleans, LA, Bridgehouse Rehab Program; 8/2007 - 5/2014

Medical volunteer, Ozanam Inn homeless shelter clinic, New Orleans, LA;
8/2007 - 5/2014

Medical volunteer, Fleur de Vie Clinic, New Orleans, LA; 8/2007 - 5/2014

Medical volunteer/trip leader, Jacsonville, Haiti, Sante Total; 3/2007 - present

Medical volunteer, Healthcare for the Homeless, University of Pittsburgh;
1/2008 - 5/2014

Medical volunteer in Plaquemine, LA, Hurricane Shelter, American Red Cross; 8/2008

President, Doctors for Global Health, Tulane University Chapter; 8/2008 - 8/2009

Co-president, C. Thorpe Ray Internal Medicine Society, Tulane University;
8/2008 - 8/2009

Vice President, American Medical Student Association, Tulane University;
8/2008 - 8/2009

Medical volunteer, Losho, Kenya, Maasai American Organization; 1/2009

Post-earthquake Medical volunteer, General Hospital in Haiti, Bicol Foundation; 1/2010

Founder/Board member, Sante Total: Healthcare for Haiti, 501(c)3 non-profit;
3/2010 - present

Rural Emergency Medicine Preceptorship with Elma LeDoux, MD; 8/2010 - 5/2014

Trauma/CPR Instructor, Phnom Penh, Cambodia/Vientiane, Laos, Operation Smile;
10/2010

Trauma/CPR Instructor, Rangoon, Burma, Operation Smile; 3/2011

Board Member, Project Esperanza, 501(c)3 non-profit organization; 1/2013 - 1/2015

Trauma/CPR Instructor, Kathmandu, Nepal, Operation Smile; 5/2014

Women in Surgery Mentor, Tulane University; 8/2016 - 6/2019

Surgical volunteer, San Blas/El Fuerte, Mexico, Flying Doctors of Mercy, 3/2017

Trustee, McSwain Charitable Trust, 12/2021 – present

Spirit of Charity Board Member, University Medical Center, 6/2024 – present

Alison A. Smith, MD, PhD, FACS

Louisiana Organ Procurement Agency Board Member, 12/2024-present