

# Curriculum Vitae

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## Education

08/1993 - 05/1997 B.S. in Anthropology / Biology from Emory University, Atlanta, Georgia  
08/1997 - 05/1999 M.P.H. in Epidemiology from Tulane University School of Public Health & Tropical Medicine, New Orleans, Louisiana  
08/2000 - 05/2004 M.D. from Tulane University School of Medicine, New Orleans, Louisiana

## Training

07/2004 - 06/2005 Internship in Categorical General Surgery from Mayo Clinic, Rochester, Minnesota  
07/2005 - 06/2007 Residency in Categorical General Surgery from Mayo Clinic, Rochester, Minnesota  
08/2007 - 08/2009 Residency in Anesthesiology from Vanderbilt University School of Medicine, Nashville, Tennessee  
08/2009 - 08/2010 Chief Resident in Anesthesiology from Vanderbilt University School of Medicine, Nashville, Tennessee

## Licensure and Certification

05/2004 - Present ACLS, Advanced Cardiac Life Support Certification  
05/2004 - Present BLS, Basic Life Support Certification  
08/2004 - 08/2007 ATLS, Advanced Trauma Life Support Certification  
07/2005 - 11/2007 Medical License of Minnesota United States (47704)  
12/2005 - 10/2009 Medical License of Wisconsin United States (48868-020)  
09/2006 - Present PALS, Pediatric Advanced Life Support Certification  
06/2007 - Present Medical License of Tennessee United States (42675)  
09/2011 - Present Diplomate, American Board of Anesthesiology (47995)

## Academic Appointments

08/2010 - 07/2012 Instructor in Anesthesiology, Vanderbilt University (Nashville, Tennessee)  
07/2012 - Present Assistant Professor of Anesthesiology, Vanderbilt University (Nashville, Tennessee)  
09/2012 - Present Resident Rotation Director: Non-Operating Room Anesthesiology (NORA), Department of Anesthesiology, Vanderbilt University Medical Center (Nashville, Tennessee)

## Hospital Appointments

09/2010 - Present Attending Anesthesiologist: Nashville Surgery Center (Nashville, Tennessee)  
09/2010 - Present Attending Anesthesiologist: Vanderbilt Surgery Center (Nashville, Tennessee)

09/2010 - Present	Attending Anesthesiologist: Cool Springs Surgery Center (Cool Springs, Tennessee)
09/2010 - Present	Attending Anesthesiologist: Vanderbilt University Hospital (Nashville, Tennessee)
07/2011 - Present	Medical Director Non-Operating Room Anesthesia (NORA) Services (Radiology, GI Lab, Oral Surgery), Dept. of Anesthesiology, Vanderbilt University Medical Center (Nashville, Tennessee)
09/2011 - Present	Attending Anesthesiologist: Vanderbilt Bone and Joint Surgery Center (Franklin, Tennessee)

## Professional Organizations

1993	Lamda Alpha Anthropology Honor Society
1997	American Public Health Association
2000	American Physiology Society
2000	American Medical Association
2000	American Medical Student Association
2002	Rudolph Matas Surgical Society
2007	American Society of Anesthesiologists (ASA), Member
2010	Tennessee Society of Anesthesiologists, Member
2011 - 2013	Society for Technology in Anesthesia (STA)
2013	Association of Anesthesia Clinical Directors (AACD), Member
2014	Society of Non-Operating Room Interventionalists & Anesthesiologists (SONORIA)

## Professional Activities

### Intramural

08/2009 - Present	Residency Education Committee, Anesthesiology, Member
08/2009 - 04/2010	Anesthesia Clinical Affairs Committee, Anesthesiology, Chief Resident Member
08/2009 - 08/2013	Vanderbilt Anesthesiology Clinical Research Advisory Committee (VACRAC), Anesthesiology, Member
08/2010 - 08/2011	Post-Operative Evaluation Task Force, Anesthesiology, Member
04/2011 - 05/2012	GasChart Update Committee, Anesthesiology, Member
09/2011 - Present	Residency Admission Committee, Anesthesiology, Interviewed & evaluated candidates for admission to Vanderbilt's Anesthesiology Residency Program, Member
02/2012 - 02/2014	Anesthesiology Perioperative Guidelines & Policies Task Force, Anesthesiology, Member
05/2014 - Present	Perioperative Quality Improvement Committee (PQIC), Multi-disciplinary VUMC committee consisting of perioperative leadership (surgery sub-specialties, anesthesiology, pharmacy, and nursing), To ensure the review of ongoing systems-based issues affecting the care provided to surgical patients that have an actual or potential adverse impact on the health or welfare of either those receive care or those working at VUMC., Committee Member

### Extramural

07/2014 - Present	Committee: Collaboration (Liaisons / Outreach to other societies and specialties), Society of Non-Operating Room Interventionists and Anesthesiologists (SONORIA), Committee charged with the task as acting as a liaison to other anesthesiology specialty societies (SOAP, SAMBA, SCA, etc) and other specialties (Radiology, Gastroenterology, Cardiology)., Committee Member
07/2014 - Present	Committee: Education (Resident Rotations / CME for Practitioners), Society of Non-Operating Room Interventionists and Anesthesiologists (SONORIA), Education Committee of the SONORIA Organization. Committee is charged with the task of creating educational material to educate anesthesiology residents and practitioners., Committee Member
07/2014 - Present	Committee: Best Practice, Guidelines, and Standards (Quality/Safety/Benchmarks), Society of Non-Operating Room Interventionists & Anesthesiologists (SONORIA), A committee of the SONORIA organization that is charged with the task of creating best practice guidelines, quality and safety metrics, and standards for the growing field of Non-Operating Room Anesthesiology (NORA)., Committee Member

## Teaching Activities

Teaching of resident and nurse trainees in the perioperative suite, Vanderbilt University Medical

08/2010 - Present Center; Department of Anesthesiology, Supervision and clinical teaching of resident physicians and nurse anesthesia students at all levels

04/2011 - 04/2011 Mini Dose Miller: Anesthesia in Remote Locations, Instructor, Vanderbilt University Medical Center; Department of Anesthesiology

07/2011 - Present CA-1 Learning Group, Faculty Leader, VUMC, Participated in monthly meetings with a small group of CA-1 residents and faculty where topics such as physician burnout, ethical dilemmas, and systems based practice were discussed.

12/2011 - 12/2011 Mock Oral Exam (Dr. Jeff Martin): Mock Orals, Mock Oral Examiner, Vanderbilt CELA, Mock oral examiner for Bi-Annual oral examinations provided to Vanderbilt Anesthesiology Residents/Fellows/Faculty to prepare for ABA Oral Exam

12/2011 - 12/2011 Mock Oral Exam (Dr. Dustin Watson): Mock Orals, Mock Oral Examiner, Vanderbilt CELA, Mock oral examiner for Bi-Annual oral examinations provided to Vanderbilt Anesthesiology Residents/Fellows/Faculty to prepare for ABA Oral Exam

02/2012 - 2012 MS IV Anesthesia Immersion Course: Perioperative Implications of Blood Coagulation & Anticoagulation, Instructor, Light Hall, Invited to give 120 minute lecture to Vanderbilt 4th year medical students participating in new curriculum course (Anesthesia Immersion).

04/2012 - 04/2012 Mock Oral Exam (Dr. Justin Sandall): Mock Orals, Mock Oral Examiner, Vanderbilt CELA, Mock oral examiner for Bi-Annual oral examinations provided to Vanderbilt Anesthesiology Residents/Fellows/Faculty to prepare for ABA Oral Exam

04/2012 - 04/2012 Mock Oral Exam (Dr. Megan Anders): Mock Orals, Mock Oral Examiner, Vanderbilt CELA, Mock oral examiner for Bi-Annual oral examinations provided to Vanderbilt Anesthesiology Residents/Fellows/Faculty to prepare for ABA Oral Exam

04/2012 - 04/2012 Mock Oral Exam (Dr. Robin Li): Mock Orals, Mock Oral Examiner, Vanderbilt CELA, Mock oral examiner for Bi-Annual oral examinations provided to Vanderbilt Anesthesiology Residents/Fellows/Faculty to prepare for ABA Oral Exam

04/2012 - 04/2012 Mock Oral Exam (Dr. Adrienne Ray): Mock Orals, Mock Oral Examiner, Vanderbilt CELA, Mock oral examiner for Bi-Annual oral examinations provided to Vanderbilt Anesthesiology Residents/Fellows/Faculty to prepare for ABA Oral Exam

09/2012 - 09/2012 Mock Oral Exam (Dr. Matthew Hamilton): Mock Orals, Mock Oral Examiner, Vanderbilt CELA, Mock oral examiner for Bi-Annual oral examinations provided to Vanderbilt Anesthesiology Residents/Fellows/Faculty to prepare for ABA Oral Exam

09/2012 - 09/2012 Mock Oral Exam (Dr. Jennifer Maziad): Mock Orals, Mock Oral Examiner, Vanderbilt CELA, Mock oral examiner for Bi-Annual oral examinations provided to Vanderbilt Anesthesiology Residents/Fellows/Faculty to prepare for ABA Oral Exam

09/2012 - 09/2012 Mock Oral Exam (Dr. Nora Azzazy): Mock Orals, Mock Oral Examiner, Vanderbilt CELA, Mock oral examiner for Bi-Annual oral examinations provided to Vanderbilt Anesthesiology Residents/Fellows/Faculty to prepare for ABA Oral Exam

09/2012 - 09/2012 Mock Oral Exam (Dr. Ryan Tomlinson): Mock Orals, Mock Oral Examiner, Vanderbilt CELA, Mock oral examiner for Bi-Annual oral examinations provided to Vanderbilt Anesthesiology Residents/Fellows/Faculty to prepare for ABA Oral Exam

11/2012 - 2012 MS IV Anesthesia Immersion Course: Perioperative Implications of Blood Coagulation & Anticoagulation, Instructor, Light Hall, Invited to give 120 minute lecture to Vanderbilt 4th year medical students participating in new curriculum course (Anesthesia Immersion).

02/2013 - 2013 MS IV Anesthesia Immersion Course: Perioperative Implications of Blood Coagulation & Anticoagulation, Instructor, VUH 2nd Floor (Anesthesia Education Library), Invited to give 120 minute lecture to Vanderbilt 4th year medical students participating in an Anesthesia Immersion Course.

02/2013 - 02/2013 Mock Oral Exam (Dr. Donald Crabtree): Mock Orals, Mock Oral Examiner, Vanderbilt CELA, Mock oral examiner for Bi-Annual oral examinations provided to Vanderbilt Anesthesiology Residents/Fellows/Faculty to prepare for ABA Oral Exam

02/2013 - 02/2013 Mock Oral Exam (Dr. Kevin Preece): Mock Orals, Mock Oral Examiner, Vanderbilt CELA, Mock oral examiner for Bi-Annual oral examinations provided to Vanderbilt Anesthesiology Residents/Fellows/Faculty to prepare for ABA Oral Exam

05/2013 - 05/2013 CCE: Continuity Clinical Experience: CCE: Continuity Clinical Experience, Faculty Instructor, CELA, Faculty instructor for a medical student session in which 1st year Vanderbilt Medical students were tasked with interviewing a standardized patient to complete a medication reconciliation and offer smoking cessation.

06/2013 - 06/2013 CA-1 Machine Check Simulation: CA-1 Machine Check Simulation, Faculty Instructor, VOR, Participated in final evaluation scenario for CA-1 Anesthesia Machine Check. Exercise designed to evaluate residents ability to effectively troubleshoot anesthesia machine problems.

07/2013 - 07/2013 VUSM III Anesthesiology Rotation: Neuraxial Anesthesia, Instructor, 2301 VUH, 7/30/2013: 90 minute lecture on anatomy, physiology, pharmacology, and techniques of neuraxial anesthesia

VMS III Anesthesiology Rotation: Basic Airway Management, Instructor, 2301 VUH, 7/30/2013:

07/2013 - 07/2013 90 minute lecture on basic airway management. Focus included importance of airway anatomy, indications for intubation, prediction of difficult airway, and airway management techniques

08/2013 - 08/2013 VUSM III Anesthesiology Rotation: Neuraxial Anesthesia, Instructor, 504 Light Hall, 8/29/2013: 90 minute lecture on anatomy, physiology, pharmacology, and techniques of neuraxial anesthesia

08/2013 - 08/2013 VMS III Anesthesiology Rotation: Basic Airway Management, Instructor, 504 Light Hall, 8/29/2013: 90 minute lecture on basic airway management. Focus included importance of airway anatomy, indications for intubation, prediction of difficult airway, and airway management techniques

09/2013 - 09/2013 VUSM III Anesthesiology Rotation: Neuraxial Anesthesia, Instructor, 439 Light Hall, 9/5/2013: 90 minute lecture on anatomy, physiology, pharmacology, and techniques of neuraxial anesthesia

09/2013 - 09/2013 VUSM III Anesthesiology Rotation: Neuraxial Anesthesia, Instructor, 412 Light Hall, 9/26/2013: 90 minute lecture on anatomy, physiology, pharmacology, and techniques of neuraxial anesthesia.

09/2013 - 09/2013 VUSM III Anesthesiology Rotation: Basic Airway Management, Instructor, 412 Light Hall, 9/26/2013: 90 minute lecture on basic airway management. Focus included importance of airway anatomy, indications for intubation, prediction of difficulty airway, and airway management techniques

09/2013 - 09/2013 VUSM III Anesthesiology Rotation: Basic Airway Management, Instructor, 439 Light Hall, 9/5/2013: 90 minute lecture on basic airway management. Focus included importance of airway anatomy, indications for intubation, prediction of difficult airway, and airway management techniques

10/2013 - 10/2013 VUSM III Anesthesiology Rotation: Neuraxial Anesthesia, Instructor, Light Hall 437, 10/17/2013: 90 minute lecture on anatomy, physiology, pharmacology, and techniques of neuraxial anesthesia

10/2013 - 10/2013 VUSM III Anesthesiology Rotation: Neuraxial Anesthesia, Instructor, Light Hall 415A, 10/31/2013: 90 minute lecture on anatomy, physiology, pharmacology, and techniques of neuraxial anesthesia.

10/2013 - 10/2013 VUSM III Anesthesiology Rotation: Basic Airway Management, Instructor, Light Hall 415A, 10/31/2013: 90 minute lecture on basic airway management. Focus included importance of airway anatomy, indications for intubation, prediction of difficult airway, and airway management techniques.

10/2013 - 10/2013 VUSM III Anesthesiology Rotation: Basic Airway Management, Instructor, Light Hall 437, 10/17/2013: 90 minute lecture on basic airway management. Focus included importance of airway anatomy, indications for intubation, prediction of difficult airway, and airway management techniques.

12/2013 - 12/2013 VUSM III Anesthesiology Rotation: Perioperative Acute Pain Management, Instructor, 2301 VUH, 12/10/2013: 90 minute lecture on anatomy, pharmacology, and theory behind acute pain management. Sub-topics include: opioid management at CNS level, neuraxial and peripheral techniques for acute pain management.

12/2013 - 12/2013 VUSM III Anesthesiology Rotation: Induction Agents, NMBs, and Airway Management, Instructor, 2301 VUH, 12/10/2013: 90 minute lecture on induction agent pharmacology, choice of induction agent, neuromuscular blocker pharmacology, choice of neuromuscular blocker, reversal of neuromuscular blocker. Lecture also focused on airway management.

01/2014 - 01/2014 VUSM III Anesthesiology Rotation: Perioperative Acute Pain Management, Instructor, Light Hall 419D, 1/10/2013: 90 minute lecture on anatomy, pharmacology, and theory behind acute pain management. Sub-topics include: opioid management at CNS level, neuraxial and peripheral techniques for acute pain management.

01/2014 - 01/2014 VUSM III Anesthesiology Rotation: Induction Agents, NMBs, and Airway Management, Instructor, Light Hall 419D, 1/10/2013: 90 minute lecture on induction agent pharmacology, choice of induction agent, neuromuscular blocker pharmacology, choice of neuromuscular blocker, reversal of neuromuscular blocker. Lecture also focused on airway management.

03/2014 - 03/2014 VUSM III Anesthesiology Rotation: Induction Agents, NMBs, and Airway Management, Instructor, Light Hall 439, 3/12/2013: 120 minute lecture on induction agent pharmacology, choice of induction agent, neuromuscular blocker pharmacology, choice of neuromuscular blocker, reversal of neuromuscular blocker. Lecture also focused on airway management.

07/2014 - 07/2014 CA-1 Survival Series: Perioperative Glycemic Control, Instructor, 2301 VUH (Anesthesiology Resident Library), 7/7/2014 (30 minute lecture): CA-1 Survival Series on Perioperative Glycemic Control

07/2014 - 07/2014 VUSM III Anesthesiology Rotation: Basic Airway Management, Instructor, Light Hall 415D, 7/10/2014: 90 minute lecture on basic airway management. Focus included importance of airway anatomy, indications for intubation, prediction of difficult airway, and airway management techniques

09/2014 - 09/2014	VUMS III Anesthesiology Rotation: Basic Airway Management, Instructor, Light Hall Room 431, 9/24/2014: 120 minute lecture on basic airway management. Focus included importance of airway anatomy, indications for intubation, prediction of difficult airway, and airway management techniques.
09/2014 - 09/2014	Anesthesiology Residency Program Senior Seminar Series: Non-Operating Room Anesthesia (NORA) for the Anesthesiology Senior Resident, Instructor, Light Hall 415 C-D, 60 minute seminar on Non-Operating Room Anesthesia (NORA) for the senior anesthesia resident.
09/2014 - 09/2014	VUSM III Anesthesiology Rotation: Basic Airway Management, Instructor, Anesthesia Resident Library, 9/4/2014: 90 minute lecture on basic airway management. Focus included importance of airway anatomy, indications for intubation, prediction of difficult airway, and airway management techniques.
10/2014 - 10/2014	VUMS II&III Anesthesiology Rotation: Basic Airway Management, Instructor, TVC 4648, 10/28/2014. 120 minute lecture on basic airway management. Focus included importance of airway anatomy, indications for intubation, prediction of difficult airway, and airway management techniques.
10/2014 - 10/2014	VUMS III Anesthesiology Rotation: Induction Agents, NMBs, and Airway Management, Instructor, Light Hall Room 433, 10/21/2014: 120 Minute lecture on anesthetic induction drugs, neuromuscular blocking agents, and basic airway management.
12/2014 - 12/2014	VUMS III&IV Anesthesiology Rotation: Basic Airway Management, Instructor, Light Hall 437, 12/3/2014: 120 minute lecture on basic airway management. Focus included importance of airway anatomy, indications for intubation, prediction of difficult airway, and airway management techniques.
12/2014 - 12/2014	VUSM III & IV Year Anesthesiology Rotation: Induction Agents, NMBs, and Airway Management, Instructor, Light Hall 412, 12/10/2014: 120 minute lecture on anesthetic induction drugs, neuromuscular blocking agents, and basic airway management.
01/2015 - 01/2015	VUSM II & Meharry III Year Anesthesiology Rotation: Induction Agents, NMBs, and Airway Management, Instructor, TVC 4648, 1/7/2015: 120 minute lecture on anesthetic induction drugs, neuromuscular blocking agents, and basic airway management.
02/2015 - 02/2015	Mock Oral Exam (Dr. Alex Greene): Mock Orals, Mock Oral Examiner, VUH 2301, Mock oral examiner for Bi-Annual oral examinations provided to Vanderbilt Anesthesiology Residents/Fellows/Faculty to prepare for ABA Oral Exam
02/2015 - 02/2015	Mock Oral Exam (Dr. Tyler Pagel): Mock Orals, Mock Oral Examiner, VUH 2301, Mock oral examiner for Bi-Annual oral examinations provided to Vanderbilt Anesthesiology Residents/Fellows/Faculty to prepare for ABA Oral Exam

## Research Supervision / Mentorship

07/2011 - 06/2014	Matthew Hamilton, M.D. Vanderbilt University Medical Center, Current Position: Resident Mentorship; Current Position-Private Practice Anesthesiology, South Carolina. (Resident, General Mentorship)
06/2012 - Present	Marcos Lopez, M.D. Vanderbilt University Medical Center, Current Position: Resident in Anesthesiology. (Resident, General Mentorship)
06/2012 - 10/2013	Justin Richards, M.D. Vanderbilt University Medical Center, Current Position: Resident in Anesthesiology. (Resident, General Mentorship)
01/2014 - Present	Conrad Myler (Resident, General Mentorship)

## Other Significant Activities

06/1999	Infectious Disease Epidemiologist (Louisiana Public Health Department): Infectious disease epidemiologist for Louisiana. Responsible for infectious disease surveillance and outbreak investigation and securing a \$650,000 CDC grant to establish a modern electronic and laboratory surveillance system. (6/1999 - 8/2000)
09/2011	VACRAC Research Studio: Participated in VACRAC Research Studio to evaluate and critique pediatric anesthesiology research project on quality of pain control in non-verbal pediatric patients (PI: Dr. Elisabeth Lee)
10/2011	Anesthesia Interest Group (Vanderbilt University Medical School): Served on panel discussion for Vanderbilt Medical School's Anesthesia Interest Group. This panel discussion allowed a question and answer session between medical students interested in pursuing a career in Anesthesiology.
10/2011	VACRAC Research Studio: Participated in VACRAC Research Studio to evaluate and critique pediatric anesthesiology research project on use of Pregabalin to reduce inpatient use of iv

	opioids in scoliosis repair patients (PI: Dr. Drew Franklin)
11/2011	VACRAC Research Studio: Participated in VACRAC Research Studio to evaluate and critique regional anesthesiology research project: "Comparison of Peripheral Nerve Catheter Depth for a Popliteal Nerve Block using Ultrasound Guidance and Dermabond" (PI: Dr. Clifford Bowens)
12/2011	VACRAC Research Studio: Participated in VACRAC Research Studio to evaluate and critique "Operating Suite Efficiency: Minimizing the Need for a Dedicated Trauma Room" (PI: Koffi Kla & Loren Hemachandra)
05/2012	Center for Clinical Improvement: Event Analysis: Epidural Medication: Participated in event analysis to improve medical center administration of epidural medication infusions
05/2012	VACRAC Research Studio: Participated in VACRAC Research Studio to evaluate and critique multi-institutional study designed to determine role of ultrasound in military setting and creation of Trauma Echo Registry. (PI: Drs. Julian Bick & Chad Wagner)
08/2013	Anesthesiology Team Leader for Surgical Mission Trip (Guatemala City): Anesthesiology Team Leader for Shalom Foundation sponsored surgical mission trip to Guatemala City, Guatemala. In a four day period, our team operated on over 100 children under (less than 9 years of age) via nasotracheal general anesthesia.
08/2014	Anesthesiology Team Leader for Surgical Mission Trip (Guatemala City): Anesthesiology Team Leader for Shalom Foundation sponsored surgical mission trip to Guatemala City, Guatemala. In a four day period, our team operated on over 92 children under (less than 6 years of age) via nasotracheal general anesthesia.

## Grants and Funding

95043/97020	Louise McFarland Dr.PH (Louisiana State Epidemiologist) (PI)	06/1999 - 08/2000
Centers for Disease Control and Prevention		
Epidemiology and Laboratory Capacity (ELC) Grant		
Primary author on a grant that was used to create a modern surveillance system for antibiotic resistant bacteria in Louisiana hospitals		
Role: Co-Investigator		
Total Cost: \$650,000.00		

## Honors / Awards

08/2002	American Heart Association Basic Science Research Fellowship Award, American Heart Association
08/2003	American Federation for Medical Research / Southern Society for Clinical Investigation Student Basic Science Research Award, American Federation for Medical Research
05/2004	Nicholas DiLuzio Award for Excellence in Physiology Research, Tulane University School of Medicin
06/2010	Outstanding Achievement Award in Regional Anesthesia, Vanderbilt University School of Medicine; Department of Anesthesiology
06/2010	Outstanding Service Award as Chief Resident, Vanderbilt University School of Medicine: Department of Anesthesiology
09/2011	Academic Achievement Award, Vanderbilt University Medical Center, Department of Anesthesiology, Merit Award in recognition of 2010-2011 academic accomplishments
06/2012	Leadership Incentive Award, Vanderbilt University Medical Center, Department of Anesthesiology, Leadership incentive award from Anesthesiology Chairman for excellence in leadership in Out-of-OR Anesthesia efforts
09/2012	Academic Achievement Award, Vanderbilt University Medical Center, Department of Anesthesiology, Distinction Award in recognition of 2011-2012 academic accomplishments
06/2013	Leadership Incentive Award, Vanderbilt University Medical Center, Department of Anesthesiology, Leadership incentive award from Anesthesiology Chairman for excellence in leadership in Out-of-OR Anesthesia efforts
08/2013	Emerging Leadership Training Seminar Series, Vanderbilt University Medical Center, Department of Anesthesiology, Invited to participate in a 4 month, comprehensive seminar series focused on emerging leaders within the Department of Anesthesiology. Lecture and course material provided by On Focus HealthCare Consulting Inc.

09/2013	Academic Achievement Award, Vanderbilt University Medical Center, Department of Anesthesiology, Distinction Award in recognition of 2012-2013 academic accomplishments
06/2014	Leadership Incentive Award, Vanderbilt University Medical Center, Chairman of Anesthesiology, Leadership award from Anesthesiology Chairman for excellence in leadership in Non-Operating Room Anesthesia (NORA) locations.
09/2014	Academic Achievement Award, Vanderbilt University Medical Center, Department of Anesthesiology, Distinction Award in recognition of 2013-2014 academic accomplishments

## Publications

### Peer Reviewed Publications

#### Abstracts

1. **Lane, J. S.**; Armelagos, G. J. Spina bifida occulta in ancient Sudanese Nubian population. American Journal of Physical Anthropology 1997 Apr;0(Supplement):151-151.
2. **Lane, Jason S.**; Dutta, Utpal K.; Seth, Dale M.; Majid, Dewan S. A. Renal and systemic effects of a superoxide dismutase mimetic, tempol in salt restricted dogs. Journal of Investigative Medicine 2002 Jan;50(1):149A-149A.
3. **Lane JS**, Dutta UK, Seth DM, Majid DSA. Superoxide dismutase (SOD) mimetic, tempol reduces arterial pressure (AP) and renal vascular resistance (RVR) in salt restricted dogs. FASEB Journal 2002 Mar;16(4):A432-A432.
4. **Lane JS**, Dutta UK, Seth DM, Majid DSA. Involvement of superoxide in the regulation of arterial pressure and renal vascular resistance in dogs fed on low salt diet. Journal of Hypertension 2002 Jun;20(4):S107-S107.
5. **Lane J**, Hutchings J, Wiese J. Progressive lower extremity weakness. Journal of General Internal Medicine 2003 Apr;18(Supplement 1):69-69.
6. **Lane, Jason**; Rothman, Brian; St. Jacques, Paul. Electronic Tracking and Reporting of Anesthesiology Postoperative Visits Using an iPad Application. Anesthesia & Analgesia 2011 Aug;113(Supplement 1):63-63.

#### Research Articles

1. Hartz RS, Deleon SY, **Lane J**, Dorotan J, Joyce J, Urbina E, Ross-Ascutto N, Ascutto R. Medtronic freestyle valves in right ventricular outflow tract reconstruction. Annals of Thoracic Surgery 2003 Dec;76(6):1896-1900. PMID: 14667607.
2. Dutta UK, **Lane J**, Roberts LJ, Majid DSA. Superoxide formation and interaction with nitric oxide modulate systemic arterial pressure and renal function in salt-depleted dogs. Experimental Biology and Medicine 2006 Mar;231(3):269-276. PMID: 16514172.
3. DeLeon SY; Desikacharlu A, Dorotan JG, **Lane J**, Cvetkovic DR, Myers JL. Modified extended end-to-end repair of coarctation in neonates and infants. Pediatric Cardiology 2007 Oct;28(5):355-357. PMID: 17632685.
4. Choudry, UH; Hyza, P; **Lane, J**; Petty, P. The importance of preoperative hemoglobin evaluation in large volume Liposuction - Lessons learned from our 75-year experience. Annals of Plastic Surgery 2008 Sep;61(3):230-234. PMID: 18724118.
5. **Lane J**, Sandberg WS, Rothman B. Development and implementation of an integrated mobile situational awareness iPhone application VigiVU at an academic medical center. International Journal of Computer Assisted Radiology & Surgery 2012 Apr;7(5):721-735. PMID: 22484718.
6. Gupta RK, **Lane J**, Allen B, Shi Y, Schildcrout J. Improving Needle Visualization by Novice Residents During an In-Plane Ultrasound Nerve Block Simulation Using an In-Plane Multiangle Needle Guide. Pain Medicine 2013 Jun; Published electronically ahead of print issue: PMID: DOI: 10.1111/pme.12160.

### Non-Peer Reviewed Publications

#### Editorials

1. **Lane, JS**; Berry JM. Anesthetic Scavenging Outside the O.R. American Society of Anesthesiologists: Newsletter 2013 Nov;77(11):18-19.

#### Book Chapters

1. Sarr MG; Podgaetz E, **Lane JS**. Bioprostheses: Are they the future of incisional/acquired hernia repair?. Recurrent Hernia: Prevention and Treatment. Editors: Schumpelick & Fitzgibbons. Heidelberg Germany: Springer; 2007; 151-155. ISBN: 978-3540375456.

## Presentations

### Invited Presentation - Local

1. Lane JS. Emerging Pathogens Update. Tulane University School of Public Health & Tropical Medicine; New Orleans, Louisiana. 1999 May; Emerging Pathogens in Louisiana.
2. Lane JS. Department of Anesthesiology CRNA Education Conference. Vanderbilt University School of Medicine; Department of Anesthesiology; Nashville, Tennessee. 2011 Feb; A systematic method to predicting and managing the difficult airway.

### Invited Presentation - Regional

1. Lane JS. Louisiana Public Regional Public Health Nurse Meetings. Louisiana Office of Public Health; New Orleans, Louisiana. 1999; Hepatitis A, B, and C.
2. Lane JS. Bioterrorism Public Health Update. Centers for Disease Control & Prevention (CDC); New Orleans, Louisiana. 2000 Mar; Bioterrorism.
3. Lane JS. Region 3 Meeting and Seminar. American Society of Anesthesia Technicians and Technologists; Nashville, Tennessee. 2011 Jun 4; A review of difficult airway management for the anesthesia technician.
4. Lane JS. Region 3 Meeting and Seminar. American Society of Anesthesia Technicians and Technologists; Nashville, Tennessee. 2012 Jul 14; Out of OR Anesthesia for the Anesthesia Technician.

### External Grand Rounds

1. Lane JS. Grand Rounds: Our Lady of Lourdes Hospital. Louisiana Office of Public Health; Lafayette, Louisiana. 2000 Jan; Emerging Pathogen Nosocomial Infections.
2. Lane JS. Grand Rounds: Department of Family Medicine. Tulane University School of Medicine; New Orleans, Louisiana. 2002 Nov; West Nile Virus Prevention.

### Internal Grand Rounds

1. Lane JS. Grand Rounds: Department of Surgery, Division of Gastrointestinal & General Surgery, Mayo Clinic. Mayo Clinic; Rochester, Minnesota. 2005 Mar; Pheochromocytoma: Alpha and beta blockade of catecholamine excess.
2. Lane JS. Grand Rounds: Department of Surgery, Division of Gastrointestinal & General Surgery, Mayo Clinic. Mayo Clinic; Rochester, Minnesota. 2005 Aug; Sentinel lymph node biopsy for breast cancer: Current controversies and future directions.
3. Lane JS. Grand Rounds: Department of Surgery, Division of Gastrointestinal & General Surgery, Mayo Clinic. Mayo Clinic; Rochester, Minnesota. 2005 Nov; Breast sarcoma.
4. Lane JS. Grand Rounds: Department of Surgery, Division of Gastrointestinal & General Surgery, Mayo Clinic. Mayo Clinic; Rochester, Minnesota. 2005 Dec; Clostridium difficile colitis: An evidence based review.
5. Lane JS. Grand Rounds: Department of Surgery, Division of Trauma and Critical Care Surgery, Mayo Clinic. Mayo Clinic; Rochester, Minnesota. 2006 Apr; Acute Lung Injury / Acute Respiratory Distress Syndrome: An evidence based review.
6. Lane JS. Grand Rounds: Department of Surgery, Division of Trauma and Critical Care Surgery, Mayo Clinic. Mayo Clinic; Rochester, Minnesota. 2006 May; Brain death criteria: An evidence based review.
7. Lane JS. Grand Rounds: Department of Surgery, Division of Colorectal Surgery, Mayo Clinic. Mayo Clinic; Rochester, Minnesota. 2006 Nov; Hereditary colon cancers and polyposis syndromes.
8. Lane JS. Grand Rounds: Department of Surgery, Division of Pediatric Surgery, Mayo Clinic. Mayo Clinic; Rochester, Minnesota. 2006 Nov; Minimally invasive thoracoscopic pectus excavatum repair: An evidence based review.
9. Lane JS. Grand Rounds: Department of Surgery, Division of Colorectal Surgery, Mayo Clinic. Mayo Clinic; Rochester, Minnesota. 2007 Jan; Squamous cell carcinoma masquerading as an anal fissure.
10. Lane JS. Mortality, Morbidity, and Improvement Conference (Practice Improvement Conference). Vanderbilt University School of Medicine; Department of Anesthesiology; Nashville, Tennessee. 2010 Nov; Regional anesthesia and anticoagulation.

### Presentations at Scientific Meetings

1. Lane JS. Gulf Coast Physiological Society Meeting. University of Mississippi; Jackson, Mississippi. 2002 Mar; Renal and systemic blood pressure effects of reactive oxygen species.
2. Lane JS. Family Practice Update Meeting. American Academy of Family Physicians; New Orleans, Louisiana. 2004 May; West Nile Encephalitis in Louisiana.
3. Lane JS, Cordera F. Minnesota Surgical Society Meeting. American College of Surgeons; Brainerd, Minnesota. 2004 Oct; Spontaneous gallbladder rupture.
4. Sarr MG, Podgaetz E, Lane JS. Proceedings of the Suvretta Hernia Meeting IV. Suvretta (International Hernia



- Society); St. Moritz, Switzerland. 2006 Feb; Bioprostheses: Are they the future of incisional/acquired hernia repair?.
5. Topalidis D, Lane JS, Greenlee S, Farley DR. Minnesota Surgical Society Meeting. American College of Surgeons; Minneapolis, Minnesota. 2006 May; Laparoscopic cholecystectomy in situs inversus viscerum.
  6. Podgaetz E, Lane JS, Sarr MG. Minnesota Surgical Society Meeting. American College of Surgeons; Minneapolis, Minnesota. 2006 May; Permacol porcine dermal extracellular matrix bioprosthesis (PDEMB) for abdominal wall reconstruction in 60 patients.
  7. Lane JS. Minnesota Surgical Society Meeting. American College of Surgeons; Rutgers Lake, Minnesota. 2006 Sep; Primary angiosarcoma: a rare breast cancer.
  8. Choudry U, Lane JS, Knoetgen J, Petty P. American Society of Plastic Surgeons Annual Meeting. American Society of Plastic Surgeons; San Francisco, California. 2006 Oct; Large volume liposuction: A 15 year experience.
  9. Lane J, Rothman B, St. Jacques P. Society for Technology in Anesthesia Annual Meeting. Society for Technology in Anesthesia; Las Vegas, Nevada. 2011 Jan; Electronic tracking and reporting of anesthesiology postoperative evaluations using an iPad application.
  10. Rajnish Gupta MD, Jason Lane MD, Brian Allen MD, Yaping Shi MS, Jonathan Schildcrout PhD. 2013 Annual Regional Anesthesiology and Acute Pain Medicine Meeting. American Society of Regional Anesthesiology and Pain Medicine; Boston, Massachusetts. 2013 May 2; Improving Needle Visualization By Novice Residents During An In-Plane Ultrasound Nerve Block Simulation Using an In-Plane Multi-Angle Needle Guide.
  11. Townley K, Lane JS, Packer R, Gupta R. 39th Annual Regional Anesthesiology and Acute Pain Medicine Meeting. American Society of Regional Anesthesiologists (ASRA); Chicago, Illinois. 2014 Apr 3; Inadvertent Infusion Of Phenylephrine In the Epidural Space.

### **Medically Challenging Cases**

1. Sripada R, Lane JS, Byrd W. American Society of Anesthesiologists Annual Meeting. American Society of Anesthesiology; Orlando, Florida. 2008 Oct; Renal transplant in a patient with right heart failure 12 years after cardiac transplant.
2. Lane JS, Sierra R, Walia A. American Society of Anesthesiologists Annual Meeting. American Society of Anesthesiology; New Orleans, Louisiana. 2009 Oct; Severe left ventricular outflow tract obstruction in a patient presenting for liver transplant.
3. Lane JS, Eagle S. American Society of Anesthesiologists Annual Meeting. American Society of Anesthesiology; New Orleans, Louisiana. 2009 Oct; Hemolytic anemia and acute renal failure secondary to systolic anterior motion of the mitral valve after minimally invasive mitral valve repair.
4. Sandall J, Gupta R, Lane J. American Society of Regional Anesthesia and Pain Medicine Annual Meeting. American Society of Regional Anesthesia and Pain Medicine; Las Vegas, Nevada. 2011 May; Lumbar epidural placement in an anticoagulated elderly patient: The need for improved systems based practice.
5. Sandall J, Lane J, Gupta R. Anesthesiology 2011. American Society of Anesthesiologists; Chicago, Illinois. 2011 Oct 16; Lumbar epidural placement in an anti-coagulated elderly patient: The need for improved systems-based practice.
6. Lopez B, Lane JS. ASA 2014- New Orleans. American Society of Anesthesiologists; New Orleans, Louisiana. 2014 Oct 12; Laparoscopic Cholecystectomy in a Patient with End Stage Amyotrophic Lateral Sclerosis.
7. Greene A, McConville P, Pilla M, Lane JS. ASA 2014 - New Orleans. American Society of Anesthesiologists; New Orleans, Louisiana. 2014 Oct 13; GI Tract and Airway Foreign Objects in the Non-OR Anesthesia (NORA) Setting.
8. Myler C, de La Fuente J, Patil M, Lane JS. ASA 2014 - New Orleans. American Society of Anesthesiologists; New Orleans, Louisiana. 2014 Oct 14; Placement of a Sciatic Nerve Continuous Catheter Using a Novel Lateral Approach at the Level of the Greater Trochanter.

### **Problem based learning discussion**

1. Lane JS. ASA 2011 (Chicago). American Society of Anesthesiologists; Chicago, Illinois. 2011 Oct 14; ASA 2011: Tough Choices: Regional or General Anesthesia In A Very Elderly Patient.
2. Lane JS. ASA-2011 (Chicago). American Society of Anesthesiologists; Chicago, Illinois. 2011 Oct 15; ASA 2011: Tough Choices: Regional Or General Anesthesia In A Very Elderly Patient.
3. Lane JS. ASA-2013 (San Francisco). American Society of Anesthesiologists; San Francisco, California. 2013 Oct 14; ASA 2013: Tough Choices: Regional or General Anesthesia In A Very Elderly Patient.
4. Lane JS. ASA 2013 (San Francisco). American Society of Anesthesiologists; San Francisco, California. 2013 Oct 15; ASA 2013: Tough Choices: Regional or General Anesthesia In A Very Elderly Patient.
5. Lane JS. ASA 2014 (New Orleans). American Society of Anesthesiologists; New Orleans, Louisiana. 2014 Oct 13; Tough Choices: Regional of General Anesthesia in a Very Elderly Patient.
6. Lane JS. ASA 2014 (New Orleans). American Society of Anesthesiologists; New Orleans, Louisiana. 2014 Oct 14; Tough Choices: Regional of General Anesthesia in a Very Elderly Patient.

## **Workshop**

1. Lane JS, Boddu K, others. 11th Biannual Ultrasound Guided Regional Anesthesia Workshop. University of Texas at Houston; MD Anderson Cancer Center; Houston, Texas. 2011 Jul 30; Instructor: 11th Biannual Ultrasound Guided Regional Anesthesia Workshop.
2. Jason S. Lane MD, MPH. Alaska Seminar 2012. Anesthesia Adventure Seminars; Sitka, Alaska. 2012 Jun 5; Prevention and Management of Awareness Under Anesthesia.
3. Jason S. Lane MD, MPH. Alaska Seminar 2012. Anesthesia Adventure Seminars; Sitka, Alaska. 2012 Jun 5; Complications of Regional Anesthesia.
4. Jason S. Lane MD, MPH. Alaska Seminar 2012. Anesthesia Adventure Seminars; Sitka, Alaska. 2012 Jun 5; Clinical applications of ultrasound for orthopaedic and trauma regional anesthesia.
5. Jason S. Lane MD, MPH. Alaska Seminar 2012. Anesthesia Adventure Seminars; Sitka, Alaska. 2012 Jun 8; Understanding and Preventing Intraoperative Fires.
6. Jason S. Lane MD, MPH. Nwas: Dallas, Texas. Northwest Anesthesia Seminars; Dallas, Texas. 2013 Mar 13; Ultrasound Guided Regional Anesthesia (Lower Extremity).
7. Jason S. Lane MD, MPH. Alaska Seminar 2013. Anesthesia Adventure Seminars; Sitka, Alaska. 2013 Jun 17; Intraoperative Awareness - Prevalence and Prevention.
8. Jason S. Lane MD, MPH. Alaska Seminar 2013. Anesthesia Adventure Seminars; Sitka, Alaska. 2013 Jun 18; Ultrasound Guided Regional Anesthesia For The Lower Extremity.