It’s spring - a time of renewal, and a
time when I always take stock of the
prior year’s accomplishments and look
ahead to the work of the coming year.
In doing so, I am reminded of how
dynamic academic anesthesia is. Each
year in a career is different from the
one before - sometimes a little, some-
times a lot.

In the department, we bid farewell to
our own graduates as
they seize new opportu-
nities, and we anticipate
the arrival of new fac-
ulty, new CRNAs and
a new crop of residents. We celebrate
the transition of another generation of
mentees becoming mentors.

Some of the additional positive
changes we have experienced this year
include:
• Four additional operating rooms
• Two new members elected to the
Association of University Anesthesiolo-
gists (AUA)
• An increase in published papers
• An increase in residency matches
from 15 to 18
• Approval of new fellowship slots in
Obstetric Anesthesiology and in Criti-
cal Care Medicine
• Approval of a new Neuro Critical Care fellowship
• Expansion of our physician basic
science portfolio, via internal develop-
ment and arrival of new faculty
• The addition of substantial new, non-traditional grant funding to our
portfolio through the ImPACT Afri-
ca grant and its supplement from the
Clinton Global Health Initiative
• Doubling the size of the GI labora-
tory
• Cardiothoracic Anesthesiology now
covering every case on CCT5, extend-
ning our reach to entirely new classes of
patients and procedures
• Ambulatory Anesthesiology ex-
panding and converting Medical Cen-
ter East into a high throughput low
acuity surgery center

Momentously, but quietly, we
launched three initiatives that change
the game in hospital anesthesiology and position the department as a lead-
ing contributer to improving the func-
tion of our health system.
(1) We put in motion the bedside
monitoring initiative, wherein every
surgical patient will have at least a
pulse oximeter with an escalating alert
system while hospitalized.
(2) We are leading the Standard In-
patient Operating Model, dedicated
to knocking down barriers to smooth
hospital patient
flow by solving
persistent prob-
lems at the system
level and creatin g
reliable standard work. (3) And last,
we reinvigorated the Center for Evi-
dence-based Anesthesia (CEBA) and
created the Anesthesia Perioperative
Consult Service, which, together, have
reduced length of stay by up to two
days in every patient population they
have addressed.

This has been another transforma-
tional year, and I thank each of you for
your hard work and dedication. Your
contributions are what make us such
a successful department. With the up-
coming activities on the horizon, I an-
ticipate an equally exciting year ahead.
The Vanderbilt International Anesthesia Fundraiser took place Friday, April 17 from 6:00 - 9:00 pm at The Green Door Gourmet Grand Barn. More than 170 were in attendance for the lively event, which raised more than $30,500.

The night kicked off with a cocktail hour and hors d’oeuvres, followed by a buffet dinner catered by The Clean Plate Club. Guests enjoyed Southern favs such as smoked pork loin, sweet tea-brined chicken and five cheese mac & cheese.

Highlights of the evening included bidding on one of three cheesecakes made by Dr. Clifford Bowens and giving Dr. Alex Green a haircut of choice. There were silent and live auctions with selections such as vacation destinations and a collection of fine wines from “The Sandberg Cellar.”

The emcee for the evening was Dr. McEvoy and keynote speaker was Dr. Mark Newton. Dr. Erik Hansen skyped from Kijabe as part of the presentation.

“Every two minutes a mother dies giving birth in sub-saharan Africa.”

Dr. Matt McEvoy, emcee for the evening

Dr. Mark Newton, keynote speaker

Photos by Dr. Michael Pilla

“The annual fundraiser dinner was an opportunity to celebrate the success of the program with residents, faculty, families and the larger Nashville community.”
Dr. and Mrs. Michael Higgins

Dr. Alex Greene just before his headshaving

Dr. Daltry Dott

Dr. Reid Phelps and daughter

Dr. David Byrne, Dr. Kara Siegrist and Dr. Greg Carpenter

Dr. Joel Musee and son

Dr. Ban Sileshi bidding at the silent auction

Cindy Cannon

Dr. Mark Newton

Dr. Elisabeth Sandberg

Dr. Jesse Ehrenfield

Drs. Tucker and Jessica Mudrick

Dr. Alex Greene just before his headshaving

Dr. Joel Musee and son

Dr. Ban Sileshi bidding at the silent auction

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Dr. Jesse Ehrenfield

Drs. Tucker and Jessica Mudrick

Dr. Alex Greene just before his headshaving

Dr. Daltry Dott

Dr. and Mrs. Michael Higgins
Welcome to New Faculty and Staff

Kelly Smith, RN, MS-CRNA, MSN-FNP, APRN-BC
Certified Registered Nurse Anesthetist
Division of Multispecialty Adult Anesthesiology

BSN, 2004, Nurse Anesthesia, Middle Tennessee School of Anesthesia, Madison, TN
MSN, 2008, Family Nurse Practitioner, Vanderbilt University, Nashville, TN

Fun Fact: Loves to garden

Robin Hipes
Administrative Assistant II
Division of Multispecialty Adult Anesthesiology

BS, 2001, Biology, Austin Peay State University, Clarksville, TN

Fun Fact: Sings a great karaoke version of “I Will Survive”

Travis Jason Hamilton, DO
Assistant Professor
Division of Multispecialty Adult Anesthesiology

DO, 2007, Pikeville College School of Osteopathic Medicine, Pikeville, KY

Fun Fact: Pursuing degree

Nancy Morton, MSN, FNP-C
Nurse Practitioner
Division of Pain Medicine

MSN, 2014, Family Nurse Practitioner, Austin Peay State University, Clarksville, TN

Fun Fact: Is a New Englander, second generation Portuguese

Justin Berube
Accounting Assistant IV
Administration

BS, 2004, Business Management, Westfield State College Westfield, MA

PREVIOUS POSITION: Accounting/Finance Assistant, Clinical Solutions Pharmacy, Nashville, TN

Fun Fact: Sings a great karaoke version of “I Will Survive”

Rebecca Stadler
Administrative Assistant II
Division of Pain Medicine

BS, 1995, Belmont University, Nashville, TN

PREVIOUS POSITION: Administrative Assistant, University Physicians Inc., Aurora, CO

Fun Fact: Enjoys running and hopes to run her first half marathon this fall

Sarah Hemauer, MD, PhD
Co-Chair
Hometown: Stockbridge, WI
Education: University of Wisconsin-Madison University of Texas Medical Branch as part of the MD/PhD program and graduated with a PhD in biochemistry and molecular biology, as well as a medical degree.

Joel Musee, MD, PhD
Co-Chair
Hometown: Nairobi, Kenya
Education: Oberlin College
Vanderbilt University School of Medicine as part of the MD/PhD program and graduated with a PhD in biochemistry, as well as a medical degree.

Travis Jason Hamilton, DO
Assistant Professor
Division of Multispecialty Adult Anesthesiology

DO, 2007, Brooke Army Medical Center, San Antonio, TX, and Transitional Internship, 2008, William Beaumont Army Medical Center, El Paso, TX

Fun Fact: Spent eight years on active duty as an anesthesiologist with the United States Army

Travis Jason Hamilton, DO
Assistant Professor
Division of Multispecialty Adult Anesthesiology

DO, 2007, Pikeville College School of Osteopathic Medicine, Pikeville, KY

Fun Fact: Pursuing degree

Nancy Morton, MSN, FNP-C
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Division of Pain Medicine

MSN, 2014, Family Nurse Practitioner, Austin Peay State University, Clarksville, TN

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Hometown: Stockbridge, WI
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Co-Chair
Hometown: Nairobi, Kenya
Education: Oberlin College
Vanderbilt University School of Medicine as part of the MD/PhD program and graduated with a PhD in biochemistry, as well as a medical degree.

Chief Residents cont’d. page 12
Accomplishments

- Christopher Lewis Cropsey has been awarded an FAER Grant: Effects of an Electronic Decision Support Tool on Team Performance During In-situ Simulation of Perioperative Cardiac Arrest.

- Paul St. Jacques, MD, has been named President Elect for the AACD (Association of Anesthesia Clinical Directors) and is now recognized as a Certified Professional in Patient Safety (CPPS) by the Certification Board for Professionals in Patient Safety (CBPPS).

- Drs. Mark Newton and Kelly McQueen attended the launch of the Lancet Commission on Global Surgery in April. Dr. Newton participated as a distinguished guest, and Dr. McQueen served as an advisor to the commission and as a panelist. Dr. Tracey Jackson had an abstract accepted and presented a poster. Thereafter, Dr. Newton spoke at Oxford University, Great Ormond Street, and University College Teaching Hospital (main teaching hospital in London), and met with the GE Foundation.

- Kevin Currie, PhD, Brad Grueter, PhD, & Carrie Grueter PhD, were recognized by Dr. Mark Wallace for their teaching efforts within the Neuroscience Graduate Program.

- Jerod Denton, PhD, was invited to review for the NICHD (National Institute of Child Health & Human Development).

- Warren Sandberg, MD, PhD, Michael Pilla, MD, & Scott Watkins, MD, were recommended for membership in the Academy for Excellence in Teaching.

- Expansion of the Anesthesiology Critical Care Medicine and Obstetric Anesthesiology Fellowship Programs has been approved. Critical Care Medicine will expand to 10 fellows per year (from 8), and Obstetric Anesthesiology will expand to 2 fellows per year (from 1).

- Stephen Bruehl, PhD, and John Burns, PhD, had a new R01 funded with a start date of April 1st. Total costs that will be funneled through Vanderbilt are about $2.6 million. Project Title: Reduced Opioid Analgesic Requirements Via Improved Endogenous Opioid Function.

- Kelly McQueen, MD, reported the launch of Cardiovascular Anesthesiology Centers at Vanderbilt intrigued the audience.

- Kelsey A. Chinnadurai, MSN, FNP-C, has successfully defended her doctoral project entitled “Implementation of a sustainable Ventilator-Associated Pneumonia (VAP) prevention protocol in a Pediatric ICU in Managua, Nicaragua.” Kelsey will graduate from Duke University with her Doctor of Nursing Practice (DNP) on May 8th, 2015.

- Dr. Rene Raphemot, who completed his Ph.D. dissertation research in Dr. Jerod Denton’s laboratory, will be awarded at graduation the Vanderbilt Founder’s Medal (first-in-class) in recognition of his outstanding research accomplishments during his graduate work.

- Appointment/Elections
  - Josh Billings, MD, was appointed to the scientific program committee for the Society of Cardiovascular Anesthesiology’s annual meeting.

- Sujay Kharade, PhD, postdoctoral fellow in the Denton lab, organized an ASPET symposium at Experimental Biology 2015 entitled “Channelizing ion channel-based drug discovery: Advancements and Current Challenges.”

- Michael H. Chi, MD, has been named the newest BH Robbins Scholar. Dr. Chi and his mentor, Dr. Craig Duvall, assistant professor of biomedical engineering, will research targeted drug delivery related to oxidation. The potential applications of this research are tremendous since oxidative stress has been implicated in ischemia reperfusion injury and organ dysfunction, development of persistent pain, and hyper-inflammation.

- Dr. Amy Robertson’s proposal, “Using Interactive Video to Teach Clinical Procedures,” will be funded by the Vanderbilt Institute of Digital Learning (VIDL).

- Jason Lane, MD, was elected to the board of directors (director at Large) at the Association of Anesthesia Clinical Directors annual meeting in Las Vegas in March and was appointed chair of the Society of Non-Operating Room Interventionalists and Anesthesiologists (SONORIA) Collaboration committee. This committee is charged with the task of acting as a liaison to other societies and specialties (Radiology, Cardiology, Gastroenterology).

- Joseph Schlesinger, MD, and his team won the 2015 Biomedical Engineering Design Competition.

- Josh Billings, MD, was invited to give Grand Rounds for the Division of Clinical Pharmacology on April 7th and gave a talk titled, “Oxidant Injury during Cardiac Surgery.”

- Dr. Brian Rothman spoke on the challenges and opportunities of real-time clinical research decision support at the DIA EuroMeeting 2015 in Paris, France. The conference focused on the entire drug development process. As part of an effort to use analytics to shorten the time required to get a drug to market, Dr. Rothman demonstrated VigiVU and discussed how it could be leveraged in real-time decision support toward that goal, as well as the data challenges associated with implementing such a system.

- Dr. Jane Brock presented her poster, “Ambulatory 2015: Following outcomes to insure quality, safety and satisfaction in patients who are fatter and sicker,” at the Society for Ambulatory Anesthesia (SAMBA). The percentage of high acuity patients in our Ambulatory Surgery Centers at Vanderbilt intrigued the audience.

- Jason Lane, MD, moderated a panel at the Association of Anesthesia Clinical Directors on Non-Operating Room Anesthesia: Challenges, Pitfalls, and Successes. Additional panelists included Dr. Norman Randolph of the University of Pennsylvania, and Dr. Mark Weiss, Vice-President of the Society of Non-Operating Room Interventionalists and Anesthesiologists.

- Camila Lyon, MD, went to Mozambique for two weeks with 450 diverse providers including students, residents, attendings, specialists, and technicians in general medicine, anesthesia, surgery, OB, and pediatrics. The goal is to increase surgical and anesthesia capacity and safety.

- Dr. John Meyer married Jen Tooher on 4/25 in Roswell, Georgia.
Cardiothoracic Anesthesiology: At a Glance

Dr. Mias Pretorius, Danielle Brenston and Dr. Andrew Shaw conclude a successful fellowship interviewing session for 2016-2017

Dr. Mias Pretorius and Dr. Andrew Shaw in front of posters at Society of Cardiovascular Anesthesiologists (SCA)

Dr. Amanda Fox, UT Southwestern Vice Chair for Research with Dr. Andrew Shaw at SCA
The Association of University Anesthesiologists annual meeting took place April 23-25 at Lowes Vanderbilt Hotel. The event brought together approximately 300 university anesthesiologists and focused on developing new methods of teaching anesthesiology, engaging in an interchange of ideas, and presenting original investigations in the clinical and laboratory setting.

**About AUA**

The Association of University Anesthesiologists is a medical society composed of anesthesiologists who serve an academic role in anesthesiology at a medical school or a teaching hospital. The mission of the AUA is the advancement of the art and science of anesthesiology by the encouragement of its members to pursue original investigations in the clinic and in the laboratory, the development of the method of teaching anesthesia, and the free and informal interchange of ideas. For more information on the AUA, visit the Association’s website at auahq.org.
11th Annual Anesthesiology Research Symposium

Highlighting the current research of clinical and translational investigators and basic scientists

Dr. Bantayehu Sileshi, Dr. Jerod Denton, Dr. Warren Sandberg, Dr. Judith Hellman and Dr. Pratik Pandharipande

Christine Goldsberry, Kristie Lee and Deborah Nelson-Rouse

Poster viewing session
Dr. Andrew Shaw and Dr. Sandberg (Charles Bernard Pittinger Prize, Health Services and Informatics Research)

Dr. Heidi Smith and Dr. Adam Kingeter (tie for Best Oral Presentation)

Dr. Andrew Shaw and Dr. Sandberg (Charles Bernard Pittinger Prize, Health Services and Informatics Research)

Dr. Stephen Bruehl and Dr. Sandberg (Charles Bernard Pittinger Prize, Clinical Translational Research)

Dr. Eric Delpire and Dr. Sandberg (Charles Bernard Pittinger Prize, Basic Science Research)

Dr. Heidi Smith and Dr. Adam Kingeter (tie for Best Oral Presentation)

Dr. Josh Billings and Dr. Sandberg (Bradley Smith Mentorship Award)

Patricia Hendricks, RN, and Dr. Sandberg (Roger England Research Award for Excellence in Support of Basic and Clinical Science)

Dr. Sandberg and Dr. Julia Bohannon (Best Poster Presentation)

Dr. Pratik Pandharipande and Kristie Lee tally scores
Recent Publications


Accepted for Publication