



# COMMUNITY LINC

Spring 2013 • Volume 6 Number 1 – A publication for the LMU-DCOM family

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## ACOFP Presents 2013 Lifetime Achievement Award to LMU-DCOM Faculty Member




**Burt Routman, DO, FACOFP dist.**, received the American College of Osteopathic Family Physicians' (ACOFP) 2013 Lifetime Achievement Award.

Routman received the award during the ACOFP's 2013 Annual Convention & Scientific Seminars, which was held March 21-24 in Las Vegas.

The Lifetime Achievement Award recognizes an outstanding osteopathic family physician who shows career-long service to patients, the profession and to ACOFP.

Routman is a past chair of the ACOFP's Committee on Education and Evaluation, where he has served for more than 20 years. He is also chair of the ACOFP Program Committee, where he has served since 2001. Dr. Routman also has served as program chair for past ACOFP and AOA conventions.

He is a past recipient of the ACOFP Distinguished Service Award.

Routman is the chair emeritus of Family Medicine at LMU-DCOM. He is also the ACOFP representative to the Primary Care Organizations Consortium and a member of the National Board of Osteopathic Medical Examiners (NBOME) Case Development Committee for COMLEX-USA Level 2-PE. He is a graduate of Des Moines University College of Osteopathic Medicine. *Article courtesy ACOFP.* 

## Research Takes Root at LMU-DCOM

*By Dr. Dennis Kiick, vice president of research*

This is an exciting time to be associated with LMU-DCOM. With the completion of the new Math and Science building, not only do we have a state-of-the-art anatomy facility, but also a 4,700 square foot research suite. A number of faculty who have come here to be a part of LMU-DCOM originally had to put their research careers on hold because of a lack of adequate research space. This is no longer the case. The basic molecular science faculty are beginning to turn their attention to research questions and beginning to do experiments to find answers to some very interesting biomedical problems. Let me give you a brief outline of the types of research our faculty are either currently doing experiments on or are in the planning stages of their project development.

*Continued on page 3*

**COMMUNITY LINC** is dedicated to being the link between faculty, students and the greater community. Just as the musculoskeletal system is the core of wellness for the body, communication is the core of wellness for the community.

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Amy Dritler  
Director of Marketing and  
Public Relations for Health Sciences  
Editor, COMMunity Linc


## A Message from the Interim Dean



Spring is a time of anticipation at LMU-DCOM. In February the members of the Class of 2013 participating in the osteopathic match found out where they will be pursuing their residencies. In March those class members choosing to participate in the allopathic match too learned where they will be completing their postgraduate training. Many of our fourth year students who are participating in the Health Professions Scholarship Program already know where they will be doing their training, as the military match took place this past December—they did really well!

LMU-DCOM may only have two graduated classes of osteopathic physicians currently out in the field, but so far our residency placement statistics have been impressive. More than two-thirds of our alumni are pursuing a residency in primary care, defined as family practice, internal medicine, pediatrics, OB/GYN, and emergency medicine. In 2011 we had the second highest osteopathic match rate in the country, and in 2012 we had the profession's fourth highest osteopathic match rate. Our graduates' willingness to pursue osteopathic residencies and ability to successfully match into these positions is a source of great pride in the halls of LMU-DCOM.

And then there are our graduates that pursue non-primary care residencies. In 2012, our graduates enjoyed residency placements in advanced positions in anesthesiology, diagnostic radiology, physical medicine and rehabilitation, general surgery, urologic surgery and others. These young resident physicians are all filling a vital role in the health care system, and we are immensely proud of their accomplishment—they are the College's mission in action!

In just a few short months, the Class of 2013 will take the stage at Tex Turner Arena to be hooded as osteopathic physicians and welcomed into the profession; at that time, the first large cohort of participants in the DO/MBA dual degree program will also be graduating. I look forward to reading through their residency placements and congratulating each of them on completing their time at LMU-DCOM. Please join me in wishing each of them well in their future endeavors as they carry on LMU-DCOM's mission. 





**Dr. Chip Colle**, professor of microbiology and assistant dean of academic affairs/basic medical sciences, is developing Bonnethead shark cell lines in order to understand the basic components of the shark immune system.



**Dr. Adam Gromley**, assistant professor of molecular/cellular biology, is studying the molecular mechanisms by which the centrosome regulates cell division, and how disruption of these processes contributes to carcinogenesis and stem cell dysfunction.



**Dr. Zeynep Gromley**, assistant professor of biochemistry, is interested in the biochemical and kinetic mechanisms by which ubiquitin and ubiquitin-like

proteins are conjugated to their target proteins; and also, the consequences of the ubiquitination of target proteins in the regulation of cellular mechanisms, specifically in the context of cell cycle control.



**Dr. Melissa Henderson**, assistant professor of biochemistry and molecular biology, studies the V-ATPase complex responsible for acidification of vesicles in the cell, using the nematode, *Caenorhabditis elegans*.



**Dr. Fruzina Johnson**, assistant professor of physiology, is looking into the mechanism and potential treatment options of transfusion-related acute lung injury (TRALI) after trauma.



**Dr. Robert Johnson**, chair of physiology and pharmacology and associate professor of physiology, is tailoring designer protoporphyrins for solubility and photosensitivity in clinical applications.



**Dr. Stan Kunigelis**, professor of physiology and director of the Math and Sciences Imaging Center, is interested in ultrastructural analysis of zooplankton morphology, development and diversity as indices of estuarine health.

While on the more clinical side:



**Paul Wood**, professor of pharmacology, is working on a number of projects involved in identifying plasma, urine and/or salivary biomarkers of disease using state-of-the-art mass spectral analysis.



Three LMU-DCOM faculty (**Dr. Todd Dombroski**, associate professor of OMM, director of sports medicine, director of clinical

research and interim chair of OPP;




**Dr. Steve Miller**, associate professor of OMM/family medicine and chair of family medicine; and Wood) are undertaking a study of plasma and saliva from patients with low

back pain (LBP) to define biomarkers of the transition from acute LBP to chronic LBP and the effects of osteopathic manipulation therapy (OMT) on these biomarkers in chronic LBP patients.



**Natalie Shirley**, assistant professor of anatomy, is presently the co-principle investigator on a grant for the National Institute of Justice (NIJ) to design a computer program that will

reconstruct whole skeletal elements from fragmentary remains in order to facilitate the determination of age, sex, ethnicity and height as a first step in the positive identification process of human remains. The program will also be able to account for a minimum number of individuals in mass disasters and mass grave scenarios. She is also collaborating with researchers in Columbia focusing on developing population-specific parameters for developing a biological profile from skeletal remains which will facilitate identifications in forensic casework and in the ongoing effort to identify victims of human rights abuses in Colombia. Lastly, in collaboration with Wood, they are planning to apply for an applied research and development grant from NIJ to investigate biochemical markers of decomposition and their effectiveness in determining the postmortem interval. 

*All of these faculty research projects are a wonderful addition to our curriculum as they afford our osteopathic medical students the opportunity to be involved in cutting edge research.*

## Make a gift to LMU-DCOM

By making a gift to the LMU-DCOM Annual Fund, you are making a significant impact on students for years to come. Annual Fund gifts allow LMU-DCOM to place resources where they are most needed or where opportunities are greatest. The LMU-DCOM Annual Fund helps to ensure that each student will have access to scholarships, top notch faculty and staff, a strong educational environment and excellent campus facilities.

**Make your gift online at: <http://dcomalumni.lmunet.edu>**

For more information on giving and naming opportunities, please contact Joey Gilbert, director of development and alumni services for health sciences at 423.869.7206 or [joey.gilbert@lmunet.edu](mailto:joey.gilbert@lmunet.edu)

# LMU-DCOM Celebrates Class of 2016 at Annual White Coat Ceremony



LMU-DCOM formally welcomed the Class of 2016 into its study of osteopathic medicine at its annual White Coat Ceremony on September 29, 2012. Dr. William G. Anderson (pictured), past president of the American Osteopathic Association (AOA), served as the keynote speaker.


Anderson served as president of the AOA from 1994-1995 and holds the distinction of being the first African-American to hold that office.

Anderson currently serves as vice president for academic affairs and director of osteopathic medical education at Detroit Medical Center. He received his bachelor's degree from Alabama State University and his osteopathic degree from Des Moines University College of Osteopathic Medicine. He completed his internship at Flint Osteopathic Hospital in Flint, Mich., in 1957 and thereafter returned to his native southwest Georgia, where he was in family practice for six years. He later returned to Michigan where he entered a residency in general surgery at Art Center Hospital in Detroit. Anderson is a diplomate in the American Osteopathic Board of Surgery and a fellow in the American College of Osteopathic Surgeons. Anderson has received extensive accolades during his prestigious career, including nine honorary degrees.

In addition to his professional accomplishments, Anderson is known for his significant contributions to the Civil Rights Movement. In 1961 he founded and served as the first president of the Albany Movement, a desegregation coalition in southwest



Georgia. Anderson is also a former director of the Southern Christian Leadership Conference headed by Dr. Martin Luther King, Jr., Ralph Abernathy and other civil rights leaders. Anderson and his late wife Norma published Autobiographies of a Black Couple of the Greatest Generation, a memoir of their experiences during the 1960s. The Andersons have five children, three of whom are osteopathic physicians, and ten grandchildren, two of whom are osteopathic physicians.

The White Coat Ceremony is a special ceremony designed to mark a student's entrance into medical school. The first White Coat Ceremony was held in 1993 at Columbia University's College of Physicians and Surgeons and is now a standard ritual in medical schools across the country. During the Ceremony, each medical student is presented and "robed" with his or her short white laboratory coat, formalizing and welcoming the student's entrance into the study of medicine. 

## LMU-DCOM Students Conduct Free Health Screenings at Mt. Moriah Church in Middlesboro



*Curtis Davis (pictured above), a second year medical student at LMU-DCOM and a member of the Student National Medical Association was instrumental in coordinating the health fair at Mount Moriah Church. Photo By Gary Ferguson.*

*By Gary Ferguson*

Professor of Preventative Medicine, Dr. Howard S. Teitelbaum, DO, PhD, MPH along with first and second year medical students from Lincoln Memorial University's DeBusk College of Osteopathic Medicine offered free health screenings to members of the congregation of Mount Moriah Baptist Church on Sunday.

This was the second month these screenings have been offered at the church.

Dr. Teitelbaum explained, "We have a student club on our campus called the Student National Medical Association (SNMA). Part of their mission is to perform community outreach particularly to populations who may have high blood pressure, high sugar (which is a precursor to diabetes), and we want to check their height and weight to make them more aware of their health.

We have African-American students here today who comprise most of the membership of the SNMA. They have formed an





*Professor of Preventative Medicine Howard S. Teitelbaum, DO, PhD, MPH, (pictured above) along with students from Lincoln Memorial University's DeBusk College of Osteopathic Medicine conducted free health screenings for the congregation at Mount Moriah Baptist Church in Middlesboro on Sunday.*  
*Photo By Gary Ferguson.*

alliance with the pastor of Mount Moriah so that we can serve their congregation as a pilot study, and maybe we can extend this to the entire African-American population of Middlesboro.

The individuals you see here are all first and second year medical students. They know how to do physical exams, take blood pressure and glucose readings. The DeBusk College of Osteopathic Medicine at Lincoln Memorial University wants to make sure the community sees this as their medical school and the best way we can do that is to get out into the community and help them by making them better aware of their health. That's primarily why we're here today. We've done it after their service and before they eat. We've given them a card so they can record their blood pressure, their glucose and their height and weight today. What we'd like is to be able to do this on a monthly basis. We'll try and have them keep track of their own health indices to make sure they maintain good health habits.

We also have a section here where we're offering both dietary and exercise counseling so they can enjoy a better lifestyle."

Curtis Davis, a second year osteopathic medical student at LMU-DCOM was instrumental in coordinating the event. He explained how the idea came about. "When I first came to LMU I was a post baccalaureate student at LMU-DCOM. I knew Mrs. Yarber Coleman as the (former) secretary at DCOM. She let me know about this church. I came to visit I really enjoyed the congregation and the community over here.

I wanted to begin to do something for the community through the school because I knew the school did a lot, but it wasn't much, if anything for the lower income or minority communities. My goal was to initiate something that could become a staple in the DCOM fabric as far all the organizations doing something for the local communities. I wanted it to be SNMA that did something for this community. My ultimate goal is to get not only the church members but the community involved to where we could get a facility and have it where the people of the community could come in on a monthly basis not only to get their health checked, but also be able to get it checked on a regular basis and keep up with things they wouldn't normally

keep up with like their blood sugar, high blood pressure or their weight. Those things can be very telling as far as other conditions that are going on. That will allow them to be more proactive with their health.

Many people don't have insurance, like myself growing up. You're going by the grace of God that you don't get sick and become broke trying to pay medical bills. The African-American community and lower income communities don't have the healthiest lifestyle, not by choice, but because necessity doesn't allow them to. They can't buy the healthiest foods. They can't go and exercise every day because they spend most of their day working. That doesn't allow them the same opportunities to take care of their health as someone who is more affluent. Little things like this will help them be able say 'ok, I've been going back three months now and my blood sugar is beginning to rise. They are telling me I am either pre-hypertensive or possibly becoming a diabetic. What can I do to stave this off?'

We can save them way down the road from incurring hospital bills they can't pay or debilitating health that can affect everyone in the home. I know how important this and I know many of the people in the church realize how important this as well.

This is where I began, but I want it to be something that spreads throughout the entire community and also includes lower income Caucasian people as well.

Hopefully, we can rent or get a much larger facility where people from the community in general will be able to come in."

*Article courtesy the Pineville Sun.*

## Roundtable on Cherokee Traditional Wisdom




A Roundtable on Cherokee Traditional Wisdom for Self-Care and Healing was held at LMU on October 1, 2012. The Roundtable was sponsored by the LMU Department of Social Work, the SHARE Club and the LMU-DCOM Health Equity Club. Speakers shared Cherokee wisdom about the causes of illness, benefits of a natural diet, use of medicinal herbs, wholeness through relationships and culture as a source of strength.

# Office of CME & Preceptor Development

The LMU-DCOM Office of Continuing Medical Education and Preceptor Development offers educational resources for community-based teaching, preceptor newsletters, grand round webinars, teaching manuals and training workshops to meet the learning needs of busy practitioners. Programs are free or minimal cost for LMU-DCOM preceptors. Category 1-A AOA Credit is available for attendance at live CME accredited programs and Category 1-B credit is available for online and enduring educational activities. For more information, please visit the CME website at [www.LMUnet.edu/dcom/](http://www.LMUnet.edu/dcom/). Osteopathic physicians serving as LMU-DCOM preceptors may be granted Category 1-B AOA CME credit on an hour-by-hour basis for teaching medical students. Allopathic physicians receive verification of precepting hours to document self-claimed AMA PRA Category 2 Credit™.

The mission of the Office of Continuing Medical Education (CME) at LMU-DCOM will remain consistent with the mission of the DeBusk College of Osteopathic Medicine in its commitment to prepare outstanding osteopathic physicians who are committed to the premise that the cornerstone of meaningful existence is service to humanity. Planned educational programs will focus on the health and wellness needs of people within

the Appalachian region while emphasizing primary care for underserved rural communities. The Office of CME will invest in quality academic programs for physicians and other health care professionals supported by superior faculty and technology while embracing the principles of holistic care, diversity, and public service as an enduring commitment to responsibility and high ethical standards.

LMU-DCOM is accredited by the American Osteopathic Association (AOA) Council on Continuing Medical Education (CCME) to sponsor continuing medical education for physicians and other health care providers. 

## For more information contact:

Office of CME and Preceptor Development  
Patti Stubenberg, MPH, CHES at 423.869.6819  
or [patricia.stubenberg@LMUnet.edu](mailto:patricia.stubenberg@LMUnet.edu)  
CME Website: <http://www.LMUnet.edu/dcom>

## TOMECC Takes Shape

By **Cynthia Harry**, administrative director of the Tennessee Osteopathic Medical Education Consortium



The new Tennessee Osteopathic Medical Education Consortium (TOMECC) received its professional accreditation on October 31, 2012. Every American Osteopathic Association (AOA)-accredited hospital residency training program must be


a member of an osteopathic post-doctoral training institute (OPTI). In order to provide an optimal education experience for LMU-DCOM and other osteopathic graduates and to support local hospitals to maintain and grow their residency programs, LMU-DCOM made application last year to the AOA for a new OPTI: TOMECC.

With our new accreditation, we are rapidly moving forward. The board of directors met in January to officially kick off consortium business. A TOMECC website is forthcoming where residents/interns and faculty physicians will be able find answers, information and support. Training videos will be added for additional learning opportunities for all our members. Access for

research support and answers will be included, and this will be a place where residents and interns can post their research papers and posters.

Our current member partners are Wellmont Health Systems at Holston Valley and Lonesome Pine and Norton Community Hospital. Residency opportunities include family practice, internal medicine and orthopedic surgery. LMU-DCOM is the sponsoring college.

Look for us at upcoming activities, including sponsored lunches for LMU-DCOM students and at other colleges of osteopathic medicine, OPP workshops and a TOMECC booth at the Hospital Day events.

TOMECC offices are located on the 3rd floor of LMU-DCOM. **Dr. Kenneth Heiles** is the chief academic officer, and **Cynthia Harry** is the Administrative Director. 

**You Tube**

*Check us out!*

Search for "**Imunetedu**" for more than 100 videos from the University, including many from LMU-DCOM faculty.



# Agents of Opportunity for Terrorism CME Course



Nearly 400 medical, nursing, PA and paramedic students, primary care physicians, EMS medical directors, nurses, PAs, medical residents and pre-hospital first responders gathered at LMU's Math and Science Building in September 2012 for the Agents of Opportunity for Terrorism CME course. Presented by LMU-DCOM and the Oak Ridge Institute for Science and Education, the two-day conference was designed to familiarize health care providers for an emergency response to toxic exposures with a variety of toxic syndromes.





## Center For Simulation And Training Update



*Donna Tidwell, Director, and other lead officials from Tennessee Department of Health, Division of Emergency Medical Services*

Donna Tidwell, Director, and other lead officials from Tennessee Department of Health, Division of Emergency Medical Services made a site visit from Nashville to LMU-DCOM approving the University's Center for Simulation & Training to conduct the Tennessee Critical Care Paramedic Course. In addition, the Ventilator Transport Course was approved shortly after the visit. These courses will attract seasoned paramedics from the Appalachian area, Northeast, East and Middle Tennessee. 🎵

The Center for Simulation and Training at LMU-DCOM offered two courses of interest to area health care providers in December 2012. 🎵

Advanced Medical Life Support (AMLS) was offered on December 3-4. AMLS is a 16-hour, two-day program that consists of interactive lectures, teaching and evaluation stations. It is the first EMS education program that fully addresses how to best assess and manage the most common medical crises in patients, offering a "think outside the box" methodology. It is for all levels of practitioners with a strong commitment to patient care, including emergency medical technicians, paramedics, nurses, nurse practitioners, physician assistants, nurse anesthetists and physicians. Additionally, an Auscultation Lab for heart sounds, lung sounds and bowel sounds on offered December 14. 🎵

## 2012 Anatomy Fashion Show




*The annual anatomy fashion show was held in December 2012. The event marks the end of the gross anatomy course for the first year students.*



# LMU-DCOM Lunch and Learns

The LMU-DCOM Department of Physiology and Pharmacology has instituted a noontime “Lunch and Learn” seminar series. Topics presented have included: “Mechanisms of Myocardial Reperfusion Injury” by **Dr. Douglas Fitzovich, professor of physiology**; “The Metamorphosis of Mevacolin: Is it Time to Put Statins in the Drinking Water?” by **Dr. Mary Beth Babos, associate professor of pharmacy**; “MicroRNA in Medicine” by **Dr. Paul Wood, professor of pharmacology**; “Cardiovascular Roles for Endogenous Carbon Monoxide: It’s Not Just a Poison Anymore” by **Dr. Robert Johnson, chair**

**of pharmacology and physiology and associate professor of physiology**; “Experimental Approaches to Studying Transfusion-related Acute Lung Injury (TRALI) Following Trauma” by **Dr. Fruszina Johnson, assistant professor of physiology**; and “Effects of Arsenic and Pike County, KY Surface Water on Thyroid Peroxidase Activity” by **Dr. Dominic Palazzolo, professor of physiology.** 

## Student DO of the Month

*Below is a sampling of some of the recent student honorees.*

**Ashley Houser, DO Class of 2015**, of Newton, Kan., and **Jimmy Tran, DO Class of 2016**, of Collierville, Tenn., were named Student DOs for the month of September 2012.



*Tran*

Houser received her Bachelor of Science in Nursing degree from Wichita State University. At LMU-DCOM Houser is vice president of the Emergency Medicine Club and teaches Advanced Cardiac Life Support, Basic Life Support and aerobic classes. She also continues to work part-time as an emergency room nurse. Houser is married to Brittan Houser and is the daughter of Dave and Pat Tongish.

Tran received his Bachelor of Arts degree in International Business and his Bachelor of Science degree in Biology from the University of Memphis. At LMU-DCOM Tran is enrolled in the dual DO/MBA degree program and is involved with the Christian Medical and Dental Association, the Internal Medicine Club, the Family Medicine Club and the Emergency Medicine Club. Tran is married to Amy Vo Tran.

**Calandra “Loni” Miller Quarles, DO Class of 2015**, of Pulaski, Va., was named a Student DO for the month of October 2012.

Miller Quarles received her Bachelor of Arts in music from the University of Virginia and her master’s of public health with an epidemiology concentration from East Tennessee State University. At LMU-DCOM she serves as the co-chair of the Community Service Committee and is a member of the Internal Medicine Club, the American College of Physicians, the Student American Academy of Osteopathy, the Student Osteopathic Medical Association and the Student National Medical Association. Miller Quarles is the daughter of Curt Miller and Earleen Miller and the granddaughter of Richard Webb and the late Ella B. Webb and the late Lonnie and Lillian Miller. She is married to **Glenn Quarles, Jr., DO Class of 2014.**


**James McKenzie, DO Class of 2015**, of Nashville, Tenn., and **Jaclyn Urquiola, DO Class of 2016**, of Miami, Fla., have been named Student DOs for the month of December 2012.



*Quarles*

McKenzie received his undergraduate degree in psychology and Spanish from the University of Tennessee, Knoxville. At LMU-DCOM McKenzie serves as president of the Psychiatry and Neurology Club and as director of international and preventive medicine for LMU-DCOM’s chapter of the Student Osteopathic Medical Association. He is the son of Jack and Mamie McKenzie of Nashville.

Urquiola received her bachelor’s degree in integrative biology from the University of Florida. At LMU-DCOM she serves as the first-year liaison for LMU-DCOM’s chapter of the Student Osteopathic Medical Association and is a committee member for the Essentials of Patient Care course evaluation committee. She is the daughter of Iris and Omar Urquiola and is engaged to David Sorzano.

The Student DO of the Month is a program of the LMU-DCOM Student Government Association (SGA) and is designed to recognize an outstanding first- and second-year student each month. Among the criteria examined for the honor are involvement in LMU-DCOM, leadership skills, community service, class attendance, initiative, attitude and professionalism. Nominations are made to the SGA and voted on by the officers. 

# Fifth Annual Body Donor Memorial Vigil



*The Fifth Annual Body Donor Memorial Vigil took place on November 30, 2012, outside the Math and Science building. The Memorial Committee consisted of **Zachary Tomlinson, DO Class of 2015**, **Calandra Quarles, DO Class of 2015**, and the Community Service Committee. The memorial is an annual event to show appreciation to those who have contributed their bodies so that medical students may study human anatomy.*







## 2013 PA Gala

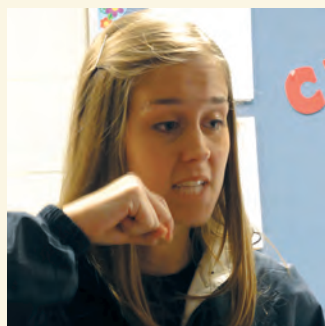


## Dr. George Stanley Thompson PA Student Society

The Dr. George Stanley Thompson PA Student Society held its annual Hygiene Day with TNT Primary School in New Tazewell, Tenn., on December 10, 2012. Students discussed personal hygiene with 4th graders. Students also handed out goodie bags containing toothpaste, floss, sample deodorants, soap and other items. While there the PA students had the TNT students decorate Christmas cards, which were then given to residents at Tri-State Rehabilitation Center in Harrogate, Tenn. The PA Student Society held a highway clean-up for the road leading to Cumberland Gap (Tenn.) High School in November 2012. PA students also accompanied **Paula DeMaro**, director of didactic education and assistant professor of physician assistant studies, to Claiborne High School to speak about the PA Program and the role of the physician assistant in various health care settings. The PA Student Society sponsored an American Red Cross Blood Drive on October 8, 2012, and will be hosting another blood drive in February. PA students also visited TNT Primary School in September 2012 to read short stories to 3rd and 4th graders. The intent of the day was to interact with the children and read stories that broadened their perspective of other cultures.



*The group poses after teaching.*



**Amy Knissel, PA Class of 2014,** *teaching how to properly brush teeth.*



*L-R: PA Class of 2014 members Matt Williams, Mary Anton, Michelle Sullivan and Kaitlin Napier.*



# Rotation & Residency Spotlight



*ENS Matt Nealeigh, Medical Corps, USNR, provides medical overwatch as U.S. Navy special operations personnel conduct amphibious warfare training aboard Naval Amphibious Base Coronado, CA. Nealeigh is the Vice President for LMU-DCOM's Class of 2014.*

**Matthew Nealeigh, DO Class of 2014,** shared this rotations experience:

"In August 2012 I used one of my elective rotations to rejoin the special operations community, training with the physicians of Naval Special Warfare aboard Naval Amphibious Base, Coronado, Calif. Before medical school I deployed to Iraq in support of SEAL Team ONE as the special intelligence Officer-in-Charge. I loved the special operations community, and acquitted myself well there, earning a Bronze Star Medal during the deployment. Now in the medical side of things, they integrated me as a full member of their medical team while I rotated through multiple aspects of special operations medicine.

During my four weeks I spent time in their injury rehab and sports medicine clinic where my OMT skills were in high demand helping our operators and support staff maintain their elite level of physical fitness. Within a day of working there the physicians and physical therapists were sending their patients to me for OMT. It was great.

I spent another block of days assigned to the BUD/S (Basic Underwater Demolition/SEAL) clinic. BUD/S is the basic qualification course for Sailors who want to be a SEAL. The training is over a year long and is among the most



*Matt Nealeigh, Medical Corps, USNR, treats a Basic Underwater Demolition/SEAL (BUD/S) candidate while training with the physicians of Naval Special Warfare aboard Naval Amphibious Base Coronado, CA. Nealeigh is the Vice President for LMU-DCOM's Class of 2014.*

demanding military training courses in the world. I was there to help provide medical care during Hell Week, which is their first major hurdle. During the six days of Hell Week, candidates only get about four hours of sleep (total, not per day!) and are pushed mentally and physically further than they imagined possible. Our medical team is on site, in shifts, for every minute of that week, whether on the beach, in the pool or out on the water, treating everything from hypoglycemia to broken bones to near-drownings and hypothermia.

The physicians at Naval Special Warfare are all Undersea Medical Officers, certified in dive and hyperbaric medicine. This means we also were on call for diving emergencies (thankfully, none of which happened while I was there). We did, though, get to participate in hyperbaric oxygen treatment for a Sailor's family member who has cancer. We used one of the Navy's large diving/compression chambers to "dive" (the chamber was bolted to the ground) to a therapeutic compression depth. Very cool stuff.


My final block put me into their full training cycle, side-by-side with their combat medics, learning from them and teaching them. We went out on training operations with the SEAL teams. Some were over-the-beach assault training scenarios, some urban warfare, and others were scenarios out on the open Pacific ocean. I helped the medics with contingency planning, creating medical evacuation plans for different emergencies. We treated a wide range of real injuries on these operations—they do dangerous work, so even (especially) the training is hazardous.

Throughout the rotation the physicians and medics sought me out for discussions of OMT and how to integrate that with their daily practice. With the oversight and by request of the DOs assigned there, I was able to teach basic manipulations to the physical therapists and medics to use in clinic and out in the field.




This was an incredible opportunity to train with the medical personnel who care for our nation's elite fighting forces, a demanding job for these physicians and medics which necessitates that they be at the forefront of medical care with their skills. Interesting to me was the reminder from one of the docs that, "Frogs get sick, too"...meaning that the SEALs ("frogmen") also get the flu, have gluten allergies, get cancer...so these docs can't just be athletic trainers or paramedics. Add in the wide range of exotic diseases these guys expose themselves to on a regular basis around the world and this becomes an invigorating but demanding role in military medicine. I loved it!

The Department of Defense's Health Professions Scholarship Program sponsors medical students with a full-ride scholarship to civilian medical schools in exchange for service as an active duty military medical officer after graduation. Students receive monthly stipend payments to assist with living expenses in addition to full reimbursements for required books and equipment. As junior medical corps officers, students are afforded training opportunities each year at one of the military's leading-edge health care facilities and field training evolutions.


LMU-DCOM hosts a large number of military scholarship students of the U.S. Army, Navy, Air Force, and Coast Guard. The Military Medicine Club provides a forum for professional development and camaraderie among this special cadre of students who have dedicated themselves to medical excellence and service to our nation." 

*U.S. Navy photos by MC2 John Fisher*

LMU-DCOM hosted its annual Hospital Day event on October 31, 2012. More than 40 exhibitors from hospitals and residency programs across the country came to the LMU-DCOM building to meet with students and discuss opportunities at their institutions. 



*(L-R) Nicholas Litwin, DO Class of 2014; Daniel Snyder, DO Class of 2014; TTU freshman Skylar Smith; Aileen Guerrero, DO Class of 2014 and Emilie Young, DO Class of 2014.*

Four members of the DO Class of 2014 in their clinical rotations at Cookeville (Tenn.) Regional Medical Center and Cumberland Medical Center in Crossville, Tenn., gave a presentation to pre-professional freshman at Tennessee Technological University in Cookeville on October 23, 2012, about gaining acceptance into medical school, medical school life and osteopathic medicine. The osteopathic medical students spoke to students in UNPP 1020, which is described as a course that "engages the student in meaningful classroom and out-of-classroom activities. This is intended for pre-professional health science students. It emphasizes information, activities, and requirements important to becoming competitive in a professional school application pool." The LMU-DCOM students spoke to approximately 120 freshmen from all areas of the health sciences including pre-med, pre-dental, pre-pharmacy and other areas. 

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# LMU-DCOM Student Club Updates



## AMERICAN COLLEGE OF OSTEOPATHIC EMERGENCY PHYSICIANS-STUDENT CHAPTER (ACOEP):

ACOEP arranged opportunities for LMU-DCOM students to ride along with paramedics in Knoxville, Tenn., and surrounding areas. Students were able to ride on the ambulance or fire apparatus, respond to 911 calls and work with crews as they assessed and treated illness and injury in the field, transported patients and turned care over to emergency department staff. Captain Ken Tuggle from Knoxville Rural Metro Fire Department spoke to club members on October 25, 2012, to inform students about dress code, what to expect, what students would be able to do and how to stay safe. The club also organized a free Heart Saver/Basic Life Support class for Claiborne County (Tenn.) teachers. About 30 teachers participated in the course, which was held at LMU-DCOM in November 2012. ACOEP members also sold polo shirts and windbreakers as a fall fundraiser.

## BUSINESS IN MEDICINE CLUB:

The Business in Medicine Club hosted a talk by Matthew Trivett, a financial advisor for physicians from Norton, Va., on January 31, 2013. He spoke about paying back loans, smart investments and being in a higher tax bracket as physicians.

## CHRISTIAN MEDICAL AND DENTAL ASSOCIATION (CMDA):

The CMDA held a Thanksgiving Food Drive with all donated food going to the Manna House in Tazewell, Tenn.

## HEALTH EQUITY CLUB:

The Health Equity Club held a meeting on November 26, 2012, featuring Dr. Ava Stanczak, associate professor and chair of pediatrics, who spoke about familial abuse and the physician's role. The club also sold hot chocolate in November 2012 to benefit the Middlesboro Head Start program.

## INTERNAL MEDICINE CLUB:

Members of the Internal Medicine Club, directed by **Dr. Howard S. Teitelbaum**, professor of preventive medicine, volunteered for the Twin Cities Baptist Church Health Fair in New Tazewell, Tenn., on November 9, 2012. Students provided glucose and blood pressure checks to the health fair attendees. The group sold first-year medical instrument kits as a fundraiser.

## INTERNATIONAL MEDICINE SOCIETY (IMS):

The IMS, in conjunction with the Social and Gender Equality Club, held a bake sale in November 2012. The proceeds will support the IMS in its AIDS Awareness Day efforts that will take place in the spring semester. The group also did a "Christmas Around the World" presentation at the Harrogate (Tenn.) Senior Citizens Center in December 2012.

## PEDIATRICS CLUB:

The Peds Club sold medical bags for students to carry EPC equipment as a fundraiser. The group also held a baked goods sale and raised almost \$300 for the Intermediate Head Start Program in Middlesboro, Ky. The Peds Club, SOSA and the Women's Health Club held a joint session on pediatric anatomy in January 2013 with both lecture and lab components.

## PLASTIC SURGERY, OTOLARYNGOLOGY AND DERMATOLOGY CLUB (POD):

The POD club held a Halloween Costume and Pumpkin Carving Contest. Proceeds from the event were donated to the Cleft Palate Foundation. Prizes were awarded to the 1st, 2nd and 3rd place pumpkins. POD club members also volunteered one Saturday every month at the Harrogate (Tenn.) Book Station to teach reading and art to children ranging from three to 12 years old.



The PM&R Club is Proud to Present  
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# No Shave November





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**4 Divisions**

- 1 Month Moustache
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- Freestyle
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## PSYCHIATRY/NEUROLOGY CLUB:

The Psychiatry/Neurology Club held a meeting in November 2012 featuring Dr. Gary Dubisky who spoke on careers in the field of osteopathic neurology. The club also raised money through a ping-pong tournament held in October 2012 that benefitted Big Brothers and Sisters of East Tennessee. The club held a meeting in December 2012 featuring a talk by Dr. Gerald Osborn about the field of psychiatry and how to be a competitive residency candidate in any specialty. The club held a meeting in January 2013 featuring **Dr. Jonathan Leo**, professor of neuroanatomy, associate dean of students and assistant vice president for admissions and student services for the Division of Health Sciences, as guest speaker.

## STUDENT ADVOCATE ASSOCIATION (SAA):

The SAA held its annual Thanksgiving Dinner on November 19, 2013. During the dinner group members collected canned food items to donate to the Manna House in Tazewell. The club also sold LMU-DCOM and Math and Science Building Christmas ornaments. The SAA held its annual Fall Festival on October 20, 2012. The event featured a photographer, games, raffle, pumpkin patch, crafts and food.

## PHYSICAL MEDICINE AND REHABILITATION CLUB (PM&R):

The PM&R Club held its first No Shave November beard and mustache Competition. Four categories were judged, including one month mustache, one month beard, freestyle and fake (females only). Club members also organized a scoliosis screening event in conjunction with the Mini Medical School held at Big Ridge Elementary School in Maynardville, Tenn., in October 2012.

## STUDENT NATIONAL MEDICAL ASSOCIATION (SNMA):

The SNMA held a fundraiser selling "Just DO It" shirts. SNMA prepared cards for families of hospice patients at their last meeting of the Fall 2012 semester. SNMA held a meeting on October 20, 2012, featuring **Charnell Cain, DO Class of 2015**, who discussed her recent trip with the Tour for Diversity. The group performed a community outreach at Mt. Moriah Baptist Church in Middlesboro, Ky., in September 2012 (see page 4-5). The event provided health screenings including glucose tests, blood pressure checks and counseling on preventive health care measures.





# LMU-DCOM Student Club Updates

## STUDENT OSTEOPATHIC MEDICAL ASSOCIATION (SOMA):

SOMA organized Mini Medical School and “What’s in a Doctor’s Bag” events at Big Ridge Elementary School in Maynardville, Tenn., in October 2012 and at Springdale Elementary School in Tazewell, Tenn., in November 2012. Students traveled to the schools to teach the older children the importance of exercise, good hygiene and nutrition, as well as educating on the different organ systems and the tools that physicians use.

Students also met with the younger children for a chance to show them everything that is “in a doctor’s bag,” giving them the chance to see how everything is used and to break down the barrier of fear that sometimes exists when they see the doctor. SOMA members also made tray liners and holiday cards for children at Niswonger’s Children’s Hospital in Johnson City, Tenn., an affiliate of St. Jude’s Children Research Hospital.

SOMA held a meeting in November featuring Dr. Cheryl Doane from Michigan State University College of Osteopathic Medicine, who spoke on post-doctoral strategies and matching. **Dru Morgan, DO Class of 2016; Jaclyn Urquiola, DO Class of 2016 and Mary Mamut, DO Class of 2016** were elected to the position of first-year liaison. SOMA held a meeting on October 31, 2012, featuring speaker **Dr. Howard S. Teitelbaum**, professor of preventive medicine.





SOMA sponsored the annual winter break trip to the Dominican Republic and Haiti. **Dr. John Williamson**, director of international medicine and assistant professor and chair of OB/GYN, led about 25 students to the Caribbean where they served in communities with minimal access to regular health care. Students from all four years were in representation.

**James McKenzie, DO Class of 2015**, submitted the following account of the annual winter break trip to Haiti and the Dominican Republic:

*"From December 12 to 19, 2012, students from LMU-DCOM accompanied Dr. John Williamson, assistant professor and chair of OB/GYN, for our 2012 International Medical Education Trip to Dominican Republic. It consisted of a week-long excursion by 27 osteopathic medical students and three physicians to Jimaní, Dominican Republic. The trip is done in conjunction with the Chadasha Foundation, a Christian mission, clinic and children's home. For four days, the students and physicians travel as a group to rural villages selected by Chadasha's director. In each village, they split into teams, triage patients, and do as much for the patients as the circumstances allow. Patients are often very appreciative of manipulative treatment, our donated pharmaceuticals allow us to fight some parasites and infections, and we are able to screen and counsel many people who may otherwise have no care at all. In addition to the opportunity to practice the techniques we learn, we are challenged to provide these people with realistic and clinically sound advice without hope of a follow-up. Many students are able to practice their clinical skills in Spanish and French, and we interact with Dominican and Haitian physicians. We also were invited to tour the medical school at UNIBE, the Dominican's top program. LMU-DCOM and UNIBE are working together to provide a rotation site for LMU-DCOM students that will split time between the rural clinic in Jimaní and the capitol, Santo Domingo. It made for a successful winter break!"* **Hera Qureshi, DO Class of 2015**, added the following comments: *"Traveling to the Dominican with LMU-DCOM was a beyond amazing experience. Not only did we get to serve people who needed our help, but we also got to see medicine in action in a developing country. The doctors who accompanied us on the trip were great teachers and more than willing to explain and answer any questions we had."*



## STUDENT AMERICAN ACADEMY OF OSTEOPATHY (SAAO):

The SAAO held a skills workshop in November 2013 on the Stiles Screen, led by **Dr. Chris Yonts**, assistant professor of family medicine and medical director of the University Medical Clinic, and **Dr. Jared Madden**, assistant professor of OPP and family medicine, both graduates of UP-KYCOM and students of Dr. Stiles. The Stiles Screen is a simple diagnostic tool that allows a physician to diagnose the entire spine in less than a minute. The SAAO Club also held a meeting featuring speaker **Tyler Duncan, DO Class of 2014**, who discussed the national conference and his third year experiences. The SAAO sold monogrammed scrubs for use in the medical gross anatomy lab.

## STUDENT ASSOCIATION OF THE AMERICAN COLLEGE OF OSTEOPATHIC FAMILY PHYSICIANS (SAACOF):

The SAACOF sold drinking glasses as a fundraiser. Club members also participated in the American Cancer Society Claiborne County (Tenn.) Relay for Life in August 2012.

## STUDENT ASSOCIATION OF MILITARY OSTEOPATHIC PHYSICIANS AND SURGEONS (SAMOPS):

SAMOPS held a spaghetti dinner on November 8, 2012, prior to the Mr. DCOM pageant. Club members also executed the presentation of colors for the Donor Memorial Vigil Service on November 30, 2012.

## STUDENT AMERICAN ACADEMY OF ORTHOPEDICS (SAOAO):

SAOAO club members volunteered at Servolution Thrift Shop in Speedwell, Tenn., in November 2012, to help serve lower income families. The group sold treatment tables for practicing OMT techniques as a fundraiser.

## STUDENT TACTICAL AND OPERATIONAL RESCUE MEDICINE (STORM):

STORM and the SAAO joined together to perform a "Great and Treat" event at the Claiborne County (Tenn.) Sheriff's Department on October 30, 2012. The event offered osteopathic screening and OMT to sheriff's and SWAT officers. STORM also sponsored an emergency airway class in November 2012. The group used pig tracheas to do emergent surgical cricothyrotomy.

# LMU-DCOM Student Club Updates

## WILDERNESS MEDICINE CLUB:

The annual MedWar Tennessee Challenge was held November 3, 2012. The medical high adventure race was hosted by the LMU-DCOM Wilderness Medicine Club for the fourth year in a row. There were 13 teams and over 50 volunteers from across the South. Teams competed in a variety of medical scenarios ranging from simulated hunting accidents to sprained ankles while racing over 10 miles of hiking trails in the Cumberland Gap National Historical Park. The winners were repeat winners from last year – a LMU-DCOM team consisting of DO Class of 2014 students **Chris Heberer**, **Cass Cherry** and **Scott Taylor**. More information on the annual event is available online at <http://www.medwar.org/>.

## STUDENT OSTEOPATHIC SURGICAL ASSOCIATION (SOSA):

SOSA held its annual Charity Pancake Dinner and Shuffalooza Finale on November 26, 2012. Attendees enjoyed pancakes, bacon and orange juice as they cheered on the Shuffalooza teams. The group also performed a food drive to benefit the Middlesboro Food Bank during the event and donated over 200 items to the charity before the Christmas holiday. In January SOSA hosted a talk by **Daniel Pickett, DO Class of 2013**, who spoke about his experience on rotations and the upcoming Match.

## WOMEN'S HEALTH AND MEDICAL SOCIETY:

The Women's Health and Medical Society held a meeting in December featuring Dr. Scott Matson, an osteopathic OB/GYN practicing in Tazewell, Tenn. Matson discussed his daily practice and shared tips on succeeding in medical school, rotations and residency. The Women's Health and Medical Society sponsored a breast cancer awareness fundraiser in October 2012. Students wore pink to school and made a donation to support Susan G. Komen Race for the Cure. Members of the Women's Health and Medical Society participated in the annual Susan G. Komen Race for the Cure in Knoxville, Tenn., in October 2012, both as runners and as race volunteers.





# Student Accomplishments

**Peter Snell, DO Class of 2015**, presented a research poster at AOA OMED 2012 in San Diego, Calif., in October 2012. The research took place at the University of Tennessee Family Physicians Clinic in Knoxville, Tenn., with Dr. Obaydah AbdurRaqeeb. The poster was entitled "Survey of Patient Knowledge of Osteopathic Physicians and Osteopathic Manipulative Therapy." The study sought to assess outpatient knowledge of DOs and OMT by comparing them to other common allied health doctors and medical therapies, respectively, at a family medicine clinic where DOs both practice and administer OMT. The abstract was published in the January 2013 edition of *The Journal of the American Osteopathic Association* (JAOA).

**Shoshana Maxwell, DO Class of 2016**, had two papers published: Computer-related self-efficacy and anxiety in older adults with and without mild cognitive impairment. Wild KV, Mattek NC, Maxwell SA, Dodge HH, Jimison HB, Kaye JA. *Alzheimer's Dement.* 2012 Nov;8(6):544-52. doi: 10.1016/j.jalz.2011.12.008; and Reactions to a remote-controlled video-communication robot in seniors' homes: a pilot study of feasibility and acceptance. Seelye AM, Wild KV, Larimer N, Maxwell S, Kearns P, Kaye JA. *Telemed J E Health.* 2012 Dec;18(10):755-9. doi: 10.1089/tmj.2012.0026.

**Charles Mitchell, DO Class of 2014, Becca Ranz, DO Class of 2014 and Dr. Natalie Shirley**, assistant professor of anatomy, presented a talk in November 2012 on their fellowship project: Forensic Anthropology Case Review.

The following students have been selected as Reed Health Sciences Library Ambassadors: **Neil Barry, DO Class of 2013; Kari Jones, DO Class of 2013; Maria Akhter, DO Class of 2014; Glenn Quarles, DO Class of 2014; Sean James, DO Class of 2015; Aswin Kumar, DO Class of 2015; Clare Bajamundi, DO Class of 2016; Justin Patel, DO Class of 2016; Paige Goforth, PA Class of 2013; and Sadril Mohammad, PA Class of 2014.**



*Scott Leikin*

**Scott Leikin, DO Class of 2014**, has had several publications while a student at LMU-DCOM, including: Leikin, SM, Korley FK, Wang EE and Leikin JB. The Spectrum of Hypothermia: From Environmental Exposure to Therapeutic Uses and Medical Simulation. *Disease-a-Month*, Vol 58: 6-32 (2012); Leikin SM, Aitchison P, Pettineo M, Kharasch M and Wang EE. Simulation Applications in Emergency Medical Services. *Disease-a-Month*, Vol 57: 723-733 (2011); Leikin, SM, McFee RB and Leikin JB. A Guide to Emergency Preparedness of Mass Casualty Incidents for Healthcare Facilities. *Chicago Medicine*, Vol 113: 44-52 (2010); Research presented as a poster at the North American Congress of Clinical Toxicology (NACCT) in Las Vegas, Nev., in October, 2012: Nelson, ME, Lank, PM, Leikin SM, Franklin, C, Leikin, J. Baseball's deadly hazard: Brain cancer. Also published in *Clin Toxicol*, 50(7); Page 666 (2012); Book chapter to be published in Dec 2012 for the Elsevier publication *Conn's Current Therapy* (2013 edition). Edward T. Bope and Rick Kellerman, editors. Leikin S, Korley, F.K., Wang, E.E., Leikin J.B.; Disturbances due to Cold, Chapter 290.



**Anna Menze, DO Class of 2016**, did a mini-medical school at Haverhill Elementary in Fort Wayne, Ind., during the 2012 winter break. Menze did "What's in a Doctor's Bag?" sessions for three Kindergarten and three first grade classes, as well as a presentation on bones for three third grade classes. As Menze reports, "The younger grades loved hearing the sound clips that I had of 'healthy heart and lungs and sick heart and lungs,' and

the third graders enjoyed each having a bone from the bone box and 'building the skeleton' as we talked about each bone."

**Michael "Chad" Cozart, DO Class of 2015**, has released *Glaucoma Pro*, a free glaucoma app for Android devices. The app was the idea of **Gregory Miller, DO '12**.



Several LMU-DCOM students cheered on the University of Tennessee Vols during their November 10, 2012, game against Missouri. Pictured left to right are **Chris Heberer, DO Class of 2014, Landon Krautkramer, DO Class of 2013, Patrick Bolton, DO Class of 2013, Danielle Street, DO Class of 2013, and Jared Kaminsky, DO Class of 2013.**

Three first-year physician assistant students have been awarded scholarships by the Tennessee Academy of Physician Assistants (TAPA). **Rachel Buchanan, PA Class of 2014**, of Newland, N.C., **Sarah Huckleby, PA Class of 2014**, of Huntsville, Tenn., and **Aaron Smith, PA Class of 2014**, of Lynchburg, Va., each received the Nell and Pat Kilpatrick Memorial Scholarship at TAPA's annual 2012 FallFest continuing medical education conference in Gatlinburg, Tenn. The scholarship is presented to first and second year physician assistant students who are in good academic standing at an accredited physician assistant program within the state and who have completed the scholarship application.



*Chelsea Nickolson*

**Chelsea Nickolson, DO Class of 2013**, has been selected LMU-DCOM's Student Doctor of the Year (SDOY). SDOY is a program of the Council

*continued on page 20*

# Student Accomplishments

*continued from page 19*

of Osteopathic Student Government Presidents (COSGP). The primary focus of the award is to acknowledge students' commitment to their school, their community and the osteopathic profession.



*Neil Barry*

**Neil Barry, DO Class of 2013**, has authored two articles on cigarette smoking: The effect of cigarette smoking on functional recovery following peripheral nerve ischemia/reperfusion injury. Rinker B, Fink BF, Barry NG, Fife JA, Milan ME, Stoker AR, Nelson PT. Source Department of Surgery, Division of Plastic Surgery, University of Kentucky, Lexington, KY 40536-0284, USA; The effect of calcium channel blockers on smoking-induced skin flap necrosis. Rinker B, Fink BF, Barry NG, Fife JA, Milan ME. Source Division of Plastic Surgery, University of Kentucky, Lexington, Kentucky 40536-0284, USA.

**Matt Huckabee, DO Class of 2015**, has published the following articles: Prostaglandin I2 signaling drives Th17 differentiation and exacerbates experimental autoimmune encephalomyelitis. Zhou W, Dowell DR, Huckabee MM, Newcomb DC, Boswell MG, Goleniewska K, Lotz MT, Toki S, Yin H, Yao S, Natarajan C, Wu P, Sriram S, Breyer RM, Fitzgerald GA, Peebles RS Jr. PLoS One. 2012;7(5):e33518. doi: 10.1371/journal.pone.0033518. Epub 2012 May 10; IL-13 regulates Th17 secretion of IL-17A in an IL-10-dependent manner. Newcomb DC, Boswell MG, Huckabee MM, Goleniewska K, Dulek DE, Reiss S, Lukacs NW, Kolls JK, Peebles RS Jr. J Immunol. 2012 Feb 1;188(3):1027-35. doi: 10.4049/jimmunol.1102216. Epub 2011 Dec 30; Differential pathogenesis of respiratory syncytial virus clinical isolates in BALB/c mice. Stokes KL, Chi MH, Sakamoto K, Newcomb DC, Currier MG, Huckabee MM, Lee S, Goleniewska K, Pretto C, Williams JV, Hotard A, Sherrill TP, Peebles RS Jr, Moore ML. J Virol. 2011 Jun;85(12):5782-93. doi:

10.1128/JVI.01693-10. Epub 2011 Apr 6; Human TH17 cells express a functional IL-13 receptor and IL-13 attenuates IL-17A production. Newcomb DC, Boswell MG, Zhou W, Huckabee MM, Goleniewska K, Sevin CM, Hershey GK, Kolls JK, Peebles RS Jr. J Allergy Clin Immunol. 2011 Apr;127(4):1006-13. e1-4. doi: 10.1016/j.jaci.2010.11.043. Epub 2011 Jan 13; A chimeric A2 strain of respiratory syncytial virus (RSV) with the fusion protein of RSV strain line 19 exhibits enhanced viral load, mucus, and airway dysfunction. Moore ML, Chi MH, Luongo C, Lukacs NW, Polosukhin VV, Huckabee MM, Newcomb DC, Buchholz UJ, Crowe JE Jr, Goleniewska K, Williams JV, Collins PL, Peebles RS Jr. J Virol. 2009 May;83(9):4185-94. doi: 10.1128/JVI.01853-08. Epub 2009 Feb 11; Novel concepts in virally induced asthma. Huckabee MM, Peebles RS Jr. Clin Mol Allergy. 2009 Jan 20;7:2. doi: 10.1186/1476-7961-7-2.

**Nathan Popham, DO Class of 2015**, has published Resident Corneal Cells Communicate with Neutrophils Leading to the Production of IP-10 during the Primary Inflammatory Response to HSV-1 Infection. Molesworth-Kenyon SJ, Popham N, Milam A, Oakes JE, Lausch RN.



*Jamie Morris*

during the time she spent at ECU PM&R department between her first and second year of medical school.


**Jamie Morris, DO Class of 2014**, has published Diagnosis and Management of Piriformis Syndrome in the May/June 2012 issue of Practical Neurology. Morris co-authored the paper

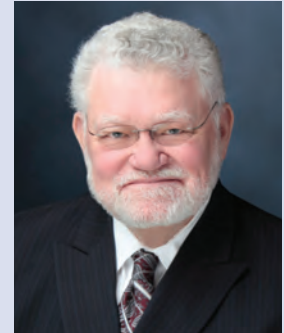


*Justin Head*

bcr1220115326. 10.1136/

**Justin Head, DO Class of 2013**, has published Ethylene glycol ingestion masked by concomitant ethanol intoxication. Head JM. BMJ Case Rep. 2012 Mar 20;2012. doi:pii:

bcr.12.2011.5326; and Scapular fractures (including glenoid) added by Christian Veillette, last edited by Justin M. Head on Jul 13, 2012, in Musculoskeletal Medicine for Medical Students. 



The LMU-DCOM Annual Scholarship Fund has a new name. In Fall of 2012, this scholarship was renamed to honor Dr. Ray Stowers in recognition of his appointment as the 2012-2013 President of the American Osteopathic Association and for his exceptional Leadership as founding Dean of LMU-DCOM.

This annual scholarship fund is now known as the Ray E. Stowers Annual LMU-DCOM Scholarship. This scholarship fund supports the mission of LMU-DCOM by providing annual scholarships to multiple LMU-DCOM students.

You may make a gift to the Ray E. Stowers Annual LMU-DCOM Scholarship Fund at:

<http://dcomalumni.lmunet.edu>

For more information on giving and naming opportunities, please contact Joey Gilbert, director of development and alumni services for health sciences at 423.869.7206 or joey.gilbert@lmunet.edu



## Alumni Notes



Amar Talati

**Amar Talati, DO '11**, coauthored the following articles on PET and pulmonary function tests in surgery journals: Changes in pulmonary function tests after neoadjuvant therapy predict postoperative complications. Cerfolio RJ, Talati A, Bryant AS., Ann Thorac Surg. 2009 Sep;88(3):930-5; discussion 935-6. doi: 10.1016/j.athoracsur.2009.06.013; Change in maximum standardized

uptake value on repeat positron emission tomography after chemoradiotherapy in patients with esophageal cancer identifies complete responders. Cerfolio RJ, Bryant AS, Talati AA, Eloubeidi MA, Cerfolio RM, Winokur TS. J Thorac Cardiovasc Surg. 2009 Mar;137(3):605-9. doi: 10.1016/j.jtcvs.2008.11.016. Erratum in: J Thorac Cardiovasc Surg. 2009 Jun;137(6):1581. Eloubeidi, Mohamad A [added].

**Megan Elstro Akins, DO '11**, and Jason Akins were married June 4, 2012. She has two stepchildren, Jarek, 8 and Lily, 5.



Ian Huff

**Ian Huff, DO '11**, writes: "I completed my intern year in Cleveland, Ohio, as chief intern and am currently in Pensacola, Fla., with the Navy. I will be graduating here February 1 as a flight surgeon. I will be stationed with the Marines in New River, N.C., preparing for deployment to the middle east this summer most likely."



**Lawson Hunley, DO '11**, writes: "[My wife] Amber and I are now parents. Our son is four and his name is Elias "Eli" Zebul Hunley. He's been with us since May 2011, right after graduation, but the adoption was not finalized until 27 June 2012. He was born on 15 May 2008."



Ana Santos

**Ana Santos-Levy, PA-C, PA'12**, writes: "I graduated with the 2012 PA class back in August. After finishing PA school, I went to Lancaster, Penn., to study and take my boards. Meanwhile, I was offered a job in Miami even before I took my boards. It was a little scary to accept an offer before taking the PANCE but I passed on my first attempt. I moved down to Miami in the end of October


2012 and since then, I have been employed by Cotel Medical Group working as a hospitalist at Jackson South Community Hospital and practicing geriatric medicine in two nursing homes (Coral Reef and Saint Anne's).

Internal medicine and geriatrics were both the areas I loved the most, and I was pretty fortunate to find a job that would have both areas of medicine. I really like to take care of the elderly as they teach me something new every single day. I love to see the smiles on their faces when they are happy, and also try to comfort them when they are having a bad day. Even though physician assistants are not allowed to practice hospice or palliative medicine, I still have the opportunity to take care of those patients as a primary care provider.

The weather here is always warm and also, it's much easier to get a plane and go visit my family in Brazil. I miss the faculty at LMU, and even though the weather is great here, nothing can beat the beautiful mountains of Tennessee!"



Victoria Sharp

**Victoria Sharp, DO '11**, is an author of the *Radiographic Atlas of Skeletal Maturation*. **Dr. Natalie Shirley**, assistant professor of anatomy, describes it as "a significant contribution to the literature." 

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# Faculty/Staff Accomplishments



**Amy Allen**, director of clinical education for the physician assistant program and assistant professor of physician assistant studies, received her educational specialist degree from LMU in December 2012.



**Dr. Leah Cobb**, assistant professor and chair of psychiatry, passed her certification boards in child and adolescent psychiatry.



**Paula DeMaro**, director of didactic education for the physician assistant program and assistant professor of physician assistant studies, received her educational specialist degree from LMU in December 2012.



**Rex Hobbs**, assistant dean and director of the Physician Assistant Program, shared this note: "I traveled to Brisbane and

Townsville, Australia, in October 2012 and stayed for about two weeks. While there I visited the physicians and administrators of Holy Spirit Northside Hospital where we already have students attending elective clinical rotations that are generally 1-2 months in length. Dr. Ben Bidstrup, a vascular surgeon, is our coordinator there and is a clinical adjunct professor for the PA Program. I also visited with some of my former University of Queensland PA colleagues; I am a fellow member of the Australian Society of Physician Assistants. The second part of the trip was in Townsville where I visited the James Cook University PA Program led by Al Forde (a former US PA). I toured the campus and met with the Head of School (Dean), Richard Murray, who was very interested

in creating an affiliation with LMU-DCOM as they (JCU) share an interest in underserved populations and rural primary care though their rural environment is different than here (aboriginal health, pacific rim populations, tropical medicine, etc.). That agreement is in process and is proposed to include clinical rotations for PA and DO students with the potential for faculty sharing and research potential as well."



**Stephanie Hull**, academic coordinator for the physician assistant program and assistant professor of physician assistant studies, received her Educational Specialist degree from LMU in December 2012.



**Dr. Jonathan Leo**, professor of neuroanatomy, associate dean of students for LMU-DCOM and assistant vice president for

admissions and student advancement for the Division of Health Sciences recently served as an Expert Peer Reviewer for the Agency for Healthcare Research and Quality (AHRQ)'s report "Finding Evidence and Assessing for Reporting Biases when Conducting Comparative Effectiveness Reviews." The report is intended to be used as a guide for researchers who prepare and use systematic reviews when comparing medical interventions. Leo also published "Knowledge of undisclosed corporate authorship ("ghostwriting") reduces the perceived credibility of antidepressant research: a randomized vignette study with experienced nurses," Jeffrey R. Lacasse, Jonathan Leo, Andrea N. Cimino, Kristen F. Bean and Melissa Del-Colle, in *BMC Research Notes* <http://www.biomedcentral.com/content/pdf/1756-0500-5-490.pdf>.

**Donna Palazzolo**, career services coordinator, and **Kelsey Allen, DO Class of 2014** and an Anatomy/OPP Fellow, worked the LMU-DCOM information booth at the 2012 Helen Ross McNabb



Employee Health Fair on November 13, 2012. The objectives for the Fair were to introduce staff to benefits vendors, both

health-related and non-health-related; to make staff aware of useful health resources in the area; and to educate staff about some particular health issues that affect employees, including depression, obesity and smoking. Allen demonstrated/performed OMM on several of the Helen Ross McNabb employees.



**Dr. Natalie Shirley**, assistant professor of anatomy, has a new book available as of October 2012: Tersigni-Tarrant MT and NR

Shirley, editors. *Forensic Anthropology: An Introduction*. Taylor and Francis Group, CRC Press. 2012. Other Book Chapters: Berryman HE, AK Lanfear, and NR Shirley. The Biomechanics of Gunshot Trauma to Bone. In Dirkmaat D, editor. *A Companion to Forensic Anthropology*. Wiley-Blackwell Publishing. 2012. Articles: 1. Abdel Fatah EE, Shirley NR, Mahfouz MR, Auerbach BM. (2012) A Three-Dimensional Analysis of Bilateral Directional Asymmetry in the Human Clavicle. *American Journal of Physical Anthropology*. In press. 2. Abdel Fatah EE, Shirley NR, Jantz RL, Mahfouz MR. (2012) Improving Sex Estimation from Crania Using a Novel Three-dimensional Quantitative Method. *Journal of Forensic Sciences*. Accepted. Scientific Presentations: 1. Shirley NR and Dudzik B. Investigating Macroscopic Changes of the Pubic Symphysis at the Young End of the Age Spectrum. Oral Presentation at the American Academy of Forensic Sciences 2013 Annual Meetings in Washington, D.C. Feb. 18-23. 2. Jantz RL, Shirley NR, Abdel Fatah EE, Mahfouz MR. Improving Sex Estimation from Crania Using 3-dimensional Models from CT Scans. Oral Presentation at the 2013 National Institute of Justice Forensic Science Research and Development



# Faculty/Staff Accomplishments

Grantees Meeting in Washington, D.C. Feb. 19th. 3. Shirley NR, Abdel Fatah EE, Jantz RL, Mahfouz MR. A Head for Cranial Analysis: 3D Investigation of Endo- and Ectocranial Sex Dimorphism. Invited symposium presentation at the American Association of Physical Anthropologists 2013 Annual Meeting in Knoxville, TN. Symposium Title: From Paleoamericans to Recent Americans: A Celebration of Richard L. Jantz's Contributions to Physical Anthropology. April 9-13. Invited Lecture: October 3, 2012: BU School of Medicine, Invited lecture for the Boston University Forensic Sciences Society Lecture Series: Isaac Newton meets Sherlock Holmes: Incorporating Bone Biomechanics into Skeletal Trauma Interpretation.

**Lisa Travis**, medical librarian/instructor of medical library resources, received the highest level of certification in the Medical Library Association's (MLA's) Academy of Health Information Professionals (AHIP). Presentations: 1) Travis, L. (2012, November 14). Games, tutorials, and more: Partner to provide helpful links. In C. Jacobs (Moderator), Tech trends: What is your library using to improve service & function? Bowen Central Library of Appalachia Wimba webinar for Appalachian College Association (ACA) participants by L. Travis. Retrieved from [http://acalive.wimba.com/launcher.cgi?room=PandMCMtg06222011\\_2012\\_1114\\_1400\\_22](http://acalive.wimba.com/launcher.cgi?room=PandMCMtg06222011_2012_1114_1400_22) 2) Lindsay, M., Travis, L., & Wallace, R. (2012, November 9). Mobile technologies. Panel discussion at THESLA meeting, Nashville, TN. Publications: Contributor to Database of the Smokies (DOTS), GSMRP, December 2012 - present. Retrieved from <http://dots.lib.utk.edu/>. 2) Travis, L. D. (2012). Book review: The new encyclopedia of southern culture: Vol. 17. Education. Tennessee Libraries, 62(4). Retrieved from [http://tnla.org/displaycommon.cfm?an=1&subarticlenbr=516#Mohr\\_C](http://tnla.org/displaycommon.cfm?an=1&subarticlenbr=516#Mohr_C). Service: 1) State Representative for Tennessee, Membership Committee, SC/MLA, December 2012 - present; 2) Vice President/Program Chair, THESLA, November 2012 - present; 3) Papers Coordinator for 62nd Annual Meeting of SC/MLA, SC/MLA, 2012-2013; 4) Member, Program Committee for 62nd Annual Meeting of SC/MLA, SC/

MLA, 2012-2013; 5) Column editor, The Interactive Web, JERML, October 2012 - present.




**Dr. Michael Wieting**, interim dean, professor of physical medicine and rehabilitation/OPP, dean of clinical medicine and assistant vice president of program development, published the article "Quadriceps Contusion" in *Essentials of Physical Medicine and Rehabilitation*, 3rd ed., co-authored with **Dr. Michael Slesinski, DO '11**. He also had a journal article accepted for publication in the *JAOA* on "The Effect of Osteopathic Manipulative Treatment on Post-Operative Medical and Functional Recovery of Coronary Artery Bypass Graft Patients." Dr. Wieting is first author along with co-authors Christopher Beal, DO; Gary L Roth, DO, FACOS; Sherman Gorbis, DO, FAAO; Lori Dillard, DO; Jacob Rowan, DO and Dennis Gilleland, PhD.



**Dr. Paul Wood**, professor of pharmacology, has joined the editorial board of the *Journal of Metabolomics*.



**Dr. Howard S. Teitelbaum**, professor of preventive medicine, gave a presentation to the AOA-AACOM Osteopathic Leadership Conference in Phoenix, Ariz., on January 4, 2013, entitled "Your data is messing with my mind - Picking the right article." He also completed a chapter for *Disease of the Month Journal* on the Epidemiology of Hospice and Palliative Care along with **Lisa Travis**, medical librarian/library instructor and the following members of the DO Class of 2016: **Clark Baker, Alin Gragossian, Diana Heilig, Chadd Mays, Anna Menze, Sarah Neslund and Elizabeth Risner.** 

## 2013 Save the Dates

- **6th Annual Golf Tournament:**  
Saturday, April 6, 2013,  
8 a.m., Woodlake
- **LMU-DCOM Spring Gala:**  
Friday, April 19, 2013, Knoxville Marriott. Dean's Reception begins at 5:30 p.m.; dinner begins at 7 p.m.
- **LMU-DCOM Class of 2013 Awards Ceremony:**  
Friday, May 10, 2013,  
10 a.m. - 11 a.m. Tex Turner Arena
- **LMU-DCOM Class of 2013 Graduation Ceremony:**  
Saturday, May 11, 2013, 10 a.m.,  
Tex Turner Arena
- **Physician Assistant Program Orientation** begins Monday, May 13, 2013, at 8 a.m. on the 4th floor of the LMU-DCOM Building
- **Light the Night 5K run to benefit Servolution Ministries sponsored by PA Student Society:**  
Friday May 17, 2013, 8:30 p.m. LMU-DCOM
- **Physician Assistant Program White Coat Ceremony for the Class of 2013:**  
Saturday, June 15, 2013, 10 a.m.,  
Tex Turner Arena
- **LMU-DCOM Class of 2017 Orientation** begins Tuesday, July 30, 2013, at 8:00 a.m. on the 1st floor of the DCOM Building
- **Physician Assistant Program Class of 2013 Graduation Banquet:** Thursday, August 1, 2013,  
Time and Location TBD
- **Physician Assistant Program Class of 2013 Graduation Ceremony:** Saturday, August 3, 2013, 10 a.m.,  
Tex Turner Arena
- **LMU-DCOM White Coat Ceremony for the Class of 2017:**  
Saturday, September 28, 2013, 10 a.m.,  
Tex Turner Arena

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## Couple Spent Christmas Break on Medical Mission\_\_\_\_\_



There was no ice or snow at Christmas for **Kent and Courtney Abernathy**, who spent their holiday break on a medical mission trip.

The couple traveled with a group of medical students to Haiti and the Dominican Republic to provide medical care to four underserved communities.

Kent, son of Randy and Jolyna Abernathy, is a second year medical student at Lincoln Memorial University-DeBusk College of Osteopathic Medicine (LMU-DCOM).

He graduated from Cordell High School in 2007 and from Southwestern Oklahoma State University in 2011 with a degree in Health Science.

Courtney, daughter of Joe and Charmin McElroy of Perkins, Oklahoma, graduated from Frederick High School in 2007. She is also a 2011 SWOSU graduate with a degree in Health Science.

Their medical mission trip was largely sponsored by the International Medicine Club at LMU-DCOM and donations provided from the students, their families and friends.

Kent, Courtney and the rest of the medical team were able to provide medications that are taken for granted in the United States, such as vitamins, Tylenol, Ibuprofen, Tums, and antibiotics.

The group was also able to provide Osteopathic Manual Manipulation to the patient and their families.

Kent is a second year medical student and will graduate in May, 2015, with a Doctorate of Osteopathic Medicine and a Masters of Business Administration.

Courtney is a second year physician assistant student, also at LMU-DCOM, and will graduate in August, 2013, with a Masters of Medical Science in Physician Assistant Studies.

The couple truly enjoyed their experience and look forward to going on many more mission trips in the future. 🏠

*Article and photo courtesy of The Cordell Beacon.*