INSIDE:

2  Dr. Marc Levitt joins faculty

3  SAGES 2014 faculty and fellow presentations

5  Surgeon’s research launches into space

6  7th Annual T2C Conference

10 Drs. Narula and Needleman graduate leadership institute

Dr. Christopher Ellison, The Robert M. Zollinger Professor of Surgery; CEO, Faculty Group Practice; associate vice president for Health Sciences and vice dean of clinical affairs, College of Medicine (back row, right) participated in the April 3 College of Medicine centennial celebration and kick-off. During the celebration COM faculty welcomed the incoming medical students and presented historical perspectives. Back row, left to right: Dr. Manuel Tzagournis, professor emeritus; Dr. Courtney Gilliam, and Dr. Ellison. Front row, left to right: Dr. Rebecca Jackson, associate dean for clinical research and Dr. Daniel Chinchot, vice dean for medical education.

Plus more
NEW FACULTY

Dr. Marc Levitt joins Pediatric Surgery

Marc A. Levitt, MD has been appointed professor of surgery in the Division of Pediatric Surgery and surgical director of the Nationwide Children’s Hospital Center for Colorectal and Pelvic Reconstruction. The center is a joint collaboration between Colorectal Surgery, Gastroenterology, Urology and Gynecology. Dr. Levitt is a committed leader in the surgical management of pediatric colorectal disorders. He has performed over 5,000 pediatric colorectal procedures, covering the entire spectrum of problems involving the colon and rectum. This amount is more than have been performed by any other full-time practicing pediatric surgeon in the world.

Dr. Levitt received his undergraduate degree from the University of Pennsylvania and his medical degree from the Albert Einstein College of Medicine. He completed his general surgery residency at Mount Sinai Medical Center, a fellowship in Pediatric Colorectal Surgery at Long Island Jewish Medical Center, and a Pediatric Surgery fellowship at Children’s Hospital of Buffalo.

After completing his training, Dr. Levitt was on the faculty at Children’s Hospital of Buffalo for two years, at Schneider Children’s Hospital, North Shore-Long Island Jewish Medical Center for three years, and most recently, at Cincinnati Children’s Hospital for eight years.

Dr. Levitt has published over 120 manuscripts and 60 book chapters, and has delivered over 300 national/international and 100 local/regional presentations of his work. He has been an invited visiting professor all over the world. Dr. Levitt has trained numerous clinical fellows, research fellows and students in his career. He has directed numerous colorectal training courses attended by established surgeons and surgical trainees from all over the world. He dedicates much of his free time to mission trips around the world where he trains surgeons in his complex surgical techniques.
CMIS Faculty, Fellows, and House Staff at the Society of American Gastrointestinal and Endoscopic Surgeons (SAGES) Surgical Spring Week 2014

The Center for Minimally Invasive Surgery (CMIS) faculty, surgery and endoscopy fellows, and general surgery residents were well-represented at the annual meeting of SAGES (Society of American Gastrointestinal and Endoscopic Surgeons), held in Salt Lake City Utah, April 2-5, 2014. CMIS faculty in attendance were Bradley J. Needleman, MD, Jeffrey W. Hazey, MD, Dean J. Mikami, MD, David B. Renton, MD, Kyle A. Perry, MD, and Sabrena F. Noria, MD, PhD. Minimally Invasive Surgery (MIS), endoscopy, and research fellows who attended and presented research results included James Rydlewicz, MD, Umer Chaudhry, MD, Michael Meara, MD, MBA, and Sylvester N. Osayi, MD. General surgery residents who presented research at SAGES this year included Mark R. Wendling, MD, MS, Jennifer Schwartz, MD, Joseph Schwartz, MD, Joseph M. Drosdeck, MD, MS, and Justin Huntington, MD. In addition, three CMIS staff members attended SAGES this year: Heidi Pieper, CMIS education coordinator, Andrew Suzo, research coordinator, and Rebecca Dettorre, MS, CCRC, research coordinator.

Jeffrey W. Hazey, MD, was co-chair of a post-graduate course, “Endoscopic Management of Bariatric Complications”, held the morning of Wednesday, April 2nd. During this course, Dr. Hazey presented “Endoscopic Treatment of Cholelithiasis, Cholecodolithiasis after Bariatric Surgery” and Dean J. Mikami, MD, presented “Impactions, Bezoars, Marginal Ulcers”. During the 8th Annual SAGES Foundation Awards Luncheon, Dr. Hazey was awarded a Fundamentals of Endoscopic Surgery™ SAGES research grant in the amount of $14,383 for his project entitled, “Virtual Reality Simulation in Flexible Endoscopy: Implications for Resident Training.” Sub-investigators include Alan Harzman, MD, Vimal K. Narula, MD, Sylvester Osayi, MD, and Joseph M. Drosdeck, MD.

During Wednesday afternoon Dr. Mikami chaired a hands-on course entitled “Endoscopic Management of Bariatric Complications”. Lab faculty from OSUWMC included Sabrena Noria, MD, PhD. During the afternoon of Thursday, April 3rd, Jennifer Schwartz, MD, presented her video entitled “Totally Laparoscopic Puestow Procedure” (co-authors Rosara Milsten, MD, Andrei Manilchuk, MD, and David B. Renton, MD). On Thursday evening

See SAGES continued on page 4
OSU CMIS hosted a reunion of previous OSU MIS, endoscopy, and research faculty, fellows, and residents. On Friday, David B. Renton, MD, with the assistance of OSUWMC fellows and residents in attendance, manned the Fundamentals of Laparoscopic Skills (FLS) training center.

On Saturday, April 4th, Mark R. Wendling, MD, presented the results of his project funded by a 2012 SAGES grant, “Near Infrared Fluorescent Cholangiography Facilitates Identification of Biliary Anatomy During Laparoscopic Cholecystectomy” (co-authors Sylvester N. Osayi, MD, Umer I. Chaudhry, MD, Joseph M. Drosdeck, MD, Kyle A. Perry, MD, Sabrena F. Noria, MD, Jeffrey W. Hazey, MD, Peter Muscarella, MD, W. Scott Melvin, MD, and Vimal K. Narula, MD). Saturday afternoon, Justin T. Huntington, MD, presented “Endoscopic Resection for Esophageal Carcinoma: Experience in a Large Academic Medical Center” (co-authors Jon P. Walker, MD, Michael P. Meara, MD, Jeffrey W. Hazey, MD, Scott Melvin, MD, and Kyle A. Perry, MD).

In addition to invited faculty and the podium presentations listed above, four posters were presented at SAGES from the CMIS group this year. Joseph M. Drosdeck, MD, and David B. Renton, MD, presented “The Effect of Three-Dimensional versus Two-Dimensional Imaging Displays on Task Performance by Laparoscopy-Naïve Subjects”. James A. Rydlewicz, MD, Andrew J. Suzo, BS, and Bradley J. Needleman, MD, presented “Retrospective Study of The AirSeal® System For Laparoscopic Bariatric Surgery”. Umer I. Chaudhry, MD, Andrew J. Suzo, Brittany Nowak, Lavina Malhotra, MD, Bradley J. Needleman, MD, Dean J. Mikami, MD, and Sabrena F. Noria, MD, PhD, presented “Routine Preoperative Esophagogastroduodenoscopy in Patients Undergoing Bariatric Surgery”. Finally, Michael P. Meara, MD, MBA, Kyle A. Perry, MD, and Jeffrey W. Hazey, MD, presented “Economic Impact of Peroral Endoscopic Myotomy versus Laparoscopic Heller Myotomy and Endoscopic Pneumatic Dilation”. ✤
Surgery Today  |  May 2014  |  5

**CURRENT DISCOVERIES**

**Cardiothoracic Surgeon Launches Research into Space**

When an unmanned supply mission launched into space today, bound for the International Space Station, it meant something extraordinary to Dr. Peter Lee, a cardiothoracic surgeon at The Ohio State University Wexner Medical Center. That’s because his research experiment is on board. Lee has been fascinated by space exploration since he was a child. Now, that fascination has evolved into a passion for space medicine and learning about the effects of space travel on the heart. “It’s more than the joy ride of traveling in space. I don’t have to do that. What excites me is being a part of the science, the learning and the research,” Lee said. In a small box, on board the private rocket, Lee sent approximately 200 fruit flies into space, to be exposed to the effects of microgravity and space radiation for 30 days while docked with the International Space Station. It is one of only eight research studies on this mission sponsored by Space Florida, an aerospace economic development agency that supports space exploration.

When the flies return, Lee and his collaborators will examine their hearts, looking for cardiovascular changes and changes in gene expression. “About three-fourths of known human disease genes can be matched in the genome of fruit flies,” Lee said. “I hope the analysis will help us learn what happens to the hearts of astronauts and how to prevent cardiovascular problems in the future. Eventually, our findings could someday help astronauts explore or even live in deep space.” Lee’s research into space medicine has spanned decades and he has been involved in other missions. One of Lee’s experiments flew with John Glenn when he made his return to space in 1998 at the age of 77. While working at Brown, Harvard, and Stanford Universities, Lee led several student groups that researched ways to perform CPR in zero gravity, practiced airway intubations, and tested various medical techniques and equipment to see if they can be used for space travel. Lee says he’s looking forward to leading similar student groups at Ohio State.

---

Dr. Lee’s fascination with space and space travel was featured in a March 16, 2014 story in the Columbus Dispatch newspaper, http://www.dispatch.com/content/pages/video.html?ooid=RzeDQ2bDqUGnxPS1dr02P7n2LL_ZD3Ag&cmpid=share, as well as the on-line journal ScienceDaily, April 21, 2014, http://www.sciencedaily.com/releases/2014/04/140421093736.htm

(Courtesy of the OSU Wexner Medical Center Public Affairs and Media Relations)
Imagine a world where malfunctioning organs are replaced by new ones made from your own tissues, where complex infected wounds are cured by novel electroceuticals, where doctors find the perfect medicine for whatever ails you simply by studying your stem cells.

It’s a world that’s inching closer to reality because of the work of some of the nation’s top scientists, many of whom gathered March 13-15 at The Ohio State University for the 7th Annual Translational to Clinical (T2C) Regenerative Medicine Wound Care Conference to discuss their recent successes and challenges in coaxing the body to heal itself in extraordinary ways.

“Regenerative medicine will change the way you and I experience sickness, health and healthcare,” said Dr. Chandan Sen, director of the Center for Regenerative Medicine and Cell Based Therapies and Comprehensive Wound Center. “Because the field is so new, we as researchers are also changing the way we work to be synergistic – not competitive, so patients are able to access the benefits more quickly.”

The nation’s top experts in regenerative medicine and wound care filled the Ohio Union and the speaker panel is arguably unrivaled by regenerative medicine conferences held today.

Opening remarks of the conference illuminated a strong future for regenerative medicine at OSU and were provided by: Dr. Steven G. Gabbe, MD, CEO of The Ohio State University Wexner Medical Center and senior vice president for Health Sciences; Caroline Whitaacre, PhD, vice president for Research; Clay Marsh, MD, professor and senior associate vice president for Health Sciences and chief innovation officer; Robert S. D. Higgins, MD, MSHA, professor and chairman, Department of Surgery, surgeon-in-chief, Wexner Medical Center, and

See T2C continued on page 7
director of the Comprehensive Transplant Center; and Jeffrey W. Nelson, MBA, president and CEO of Healogics, Inc.

Anthony Atala, MD, director of the Wake Forest Institute for Regenerative Medicine, and the W.H. Boyce professor and chair of the Department of Urology at Wake Forest University and key note speaker opened the conference by showing the advances around the nation in the field.

“It currently costs $37 billion a year to manage complications from wounds – costs that will only rise with increasing rates of obesity and diabetes, the aging population, our wounded soldiers returning from war,” said Atala, who was recently awarded a $75 million Armed Forces Institute of Regenerative Medicine (AFIRM) grant to lead a consortium of 30 academic and industry partners in applying regenerative medicine techniques to battlefield injuries. Ohio State University and the CRMCBT will have $1.5m of the AFIRM grant dedicated to work happening bone 3D printing by David Dean, PhD.

“In theory, every tissue in the body has the ability to regenerate and heal itself. It’s good to come to this meeting and exchange ideas that will enable us to harness that remarkable ability and, literally, save life and limb.”

Other speakers include Elaine Fuchs, Howard Hughes Medical Institute investigator and Rebecca C. Lancefield, professor at Rockefeller University in New York, who has advanced multiple areas of stem cell research through her work in skin cells and genetics; and Dr. Michael Longaker, director of the Hagey Laboratory for Stem Cell Biology for Pediatric Regenerative Medicine at Stanford University. Longaker is considered one of the nation’s experts in using a combination of stem cell- and bioengineering-based technologies for craniofacial reconstruction.

“The real advancements come when you can get a lab discovery to a patient in need, and then learn from that patient about how to make the advancement even better. That kind of ‘bench to bedside’ cycle is only possible when scientists collaborate,” Christopher Breuer, MD said. “The regenerative medicine partnership between Ohio State and Nationwide Children’s Hospital is extraordinary, and because of that, I think it will yield some pretty breathtaking innovations in the next decade.”

CRMCBT Scientific Retreat
The Center for Regenerative Medicine and Cell Based Therapies (CRMCBT) held a pre-conference Scientific Retreat TED TALKS event. Twenty-six OSU faculty presented short, impactful scientific talks targeted at collaborative

See T2C continued on page 8
team formation. The talks represented the colleges engaged in the Center and included, Medicine, Engineering, Dentistry, Arts and Sciences, Pharmacy, Nursing and Veterinary Medicine.

For the first time in the meeting’s seven-year history, a “Science and Industry” summit was held at which researchers, physicians and nurses explored the latest industry innovations from the world’s top developers of regenerative medicine and wound care technology. Novadaq, Hitachi Aloka, Organogenesis, Harvest Technologies, Southwest Technologies, Procellera, Karyopharm Therapeutics, KCI and the OSU Comprehensive Wound Center all participated in Summit. An audience response system was used to capture real-time reactions to the Summit presentations and products.

Save the Date
We are pleased to announce that the 2015 8th Annual Translational to Clinical (T2C) Regenerative Medicine Wound Care Conference will be held as part of the First OSU-India Health Sciences Innovation Conference and Trade Show (india2015.osu.edu) on January 15-18th, 2015 in Mumbai, India. The event originates from the OSU Office of International Affairs. The Conference Chair is Chandan K. Sen, PhD and Co-Chair is William Brustein, PhD, vice provost for Global Strategies and International Affairs. The focus of the conference will be India’s rapidly growing health and hospital system, biotech and health sciences industry with the goal of developing strategic partnerships between Ohio State University faculty and Indian healthcare, academic institutions and health sciences related industries. The All India Institute for Medical Sciences (AIIMS), the country’s top government health care and research institution, has partnered with Ohio State University in hosting this conference.

Over 50 sessions, 30 industry sponsors and 150 speakers have already committed to this four day event and this will continue to grow, as we are still taking session organizing interest. Sessions range from 3D printing of patient-specific implants to emergency medicine to pharmacology to medical devices. Sessions can be organized by OSU, US or Indian organizations. The US Embassy in India is working with the event to hold an opening day reception. Nobel Laureate Professor Luc Montagnier, discoverer of HIV, will present a keynote lecture. As part of the AIIMS partnership, a two-day workshop on Regenerative Medicine and Wound Care will be hosted by AIIMS in New Delhi on January 12 – 13, 2015 featuring top OSU Regenerative Medicine researchers. Also a one-day workshop will be held by Peerless Hospital and B.K.Roy Research Center in Kolkata, on January 10th, 2015 with OSU speakers. For more information on india2015.osu.edu, please email brent.toto@osumc.edu.

See T2C continued on page 9
T2C (continued from page 8)

Finally, The Center for Regenerative Medicine and Cell Based Therapies will hold its 3rd Annual Retreat on Friday and Saturday, August 1-2nd, 2014 at Mohican State Lodge and Conference Center. Speakers are currently being selected from The Ohio State University, Cleveland, Akron, Cincinnati, Battelle and Nationwide Children’s Hospital. This is an invite only event.

Inquiries for the retreat or any of the above information can be directed to Brent Toto, program director, CRMCBT at brent.toto@osumc.edu.
FACULTY DEVELOPMENT

Drs. Narula and Needleman Graduate Leadership Institute

Congratulations to Dr. Bradley Needleman, associate professor of surgery and director of the Bariatric Surgery Program and Dr. Vimal Narula, associate professor of clinical surgery on their graduating the College of Medicine’s Faculty Leadership Institute (FLI). The FLI is a 12-month program to enhance leadership skills among the College’s faculty by strengthening engagement and retention, improving collaboration and, ideally, enhancing the delivery of high quality patient care. Dr. Bhagwan Satiani, professor of surgery, Division of Vascular Diseases and Surgery is the FLI course director. Course participants were divided into six teams and assigned a course-long team project.

The final session for the 2013-2014 course was held on April 8 with the team presentations, judged by a panel of distinguished guest jurors, followed by a brief graduation ceremony. Dr. Steven Gabbe, CEO of the OSU Wexner Medical Center and Senior Vice President for Health Sciences, addressed the class, saying, “The College of Medicine now has the responsibility to create opportunities for you to lead, and you [FLI graduates] have the responsibility to use your skills to lead and mentor others.”

Dr. Bradley Needleman (left) and Dr. Vimal Narula.
OSU is Host to ACS Quality Forum

The Ohio State University hosted the American College of Surgery (ACS) Surgical Health Care Quality Forum, held March 28. Providing high quality surgical management of diseases while minimizing the risk of preventable complications is critically important in today’s healthcare environment. Payors, including Medicare, increasingly refuse to pay for treating complications deemed preventable, such as surgical site infections. A growing movement aims to tie reimbursements to outcomes – and publicly report the results. The mission of the ACS Forums is to improve the quality of surgical care, decrease the number of re-admissions, lower costs and increase value, and to provide training on quality improvement and patient safety. Presenters at the community forum discuss the critical elements required for quality improvement – including factors that lead to successful implementation and institution-wide integration – and present best-practices from experts about quality improvement programs that measurably improve outcomes and reduce costs.

The Forum was hosted and moderated by Dr. E. Christopher Ellison, College of Medicine Distinguished Professor, Zollinger Professor of Surgery, CEO of the Faculty Group Practice, and vice dean of Clinical Affairs and by

See Forum continued on page 12
Dr. Susan D. Moffatt-Bruce, chief quality and patient safety officer, and associate professor of surgery. Dr. David Hoyt, executive director of the American College of Surgeons gave the opening presentation. Dr. Steven Gabbe, senior vice president of Health Science and CEO of the Wexner Medical Center and Mr. Greg Moody, director of the State of Ohio Office of Health Transformation presented the keynote addresses. Distinguished panelists included Dr. Robert Higgins, professor of surgery, chairman of the Department of Surgery and executive director of the Comprehensive Transplant Center; Dr. Steven Steinberg, professor of surgery, vice chair for clinical affairs and chief of the Division of Trauma, Critical Care and Burn; Dr. Moffatt-Bruce; Dr. Thomas Hartranft, program director of the Mount Carmel Health System Surgery Residency; Dr. Jeffrey Ponsky, surgeon-in-chief and Oliver H. Payne Chairman and professor, Case Western Reserve University; and Dr. Jeffrey Innes, director of Surgical Education and medical director of Surgery at Grant Medical Center. ✿
TRANSPLANTATION OUTREACH

CTC Partners with COSI

Ohio State's Comprehensive Transplant Center (CTC) is partnering with COSI on a new interactive education program, In Depth: Kidney Transplant. Developed to inform high school students about organ donation and transplantation, each program broadcast connects up to five high school classrooms from across the country and one student/adult audience at COSI’s Galaxy Theater. The program features recorded surgeries of a living kidney donor and kidney transplant recipient, narrated “live” by a team member from Ohio State’s CTC.

Participants follow the story of a young adult patient’s kidney transplant. Teens, adults, and community groups are welcome. Individual tickets are available for non-school audiences and individuals to watch from COSI’s Galaxy Theater. Questions will be asked in a round robin, facilitated format. COSI can accept ISDN or IP connections.

Discounted COSI admission tickets are available for purchase at University Hospital’s Scarlet Ribbon Gift Shop.
SURGICAL ONCOLOGY

OSUCCC James 16th Annual Scientific Meeting

Division of Surgical Oncology faculty and fellows presented their research at the 16th Annual OSU Comprehensive Cancer Center Scientific Meeting, held February 28 at the Ohio Union on the campus of The Ohio State University. Dr. William Carson, III, professor of surgery and associate director for clinical research, gave the podium presentation “What is the Cancer Center Support or “Core” Grant.” Poster presentations included investigations by Surgical Oncology faculty members Dr. Mark Bloomston; Dr. Carson; Dr. Edward Martin, Jr.; Dr. John Phay; Dr. Raphael Pollock, division director; Dr. Stephen Povoski; Dr. Alicia Terando and Dr. Lisa Yee; and fellows Dr. Shawnn Nichols and Dr. Lawrence Shirley.

Among the innovations presented is the study of a portable gamma camera that permits intraoperative assessment to confirm the complete resection of malignant cells. Dr. Nichols presented the poster describing the use of the gamma camera in the surgical treatment of gastrinoma in the Zollinger-Ellison Syndrome. Other studies presented new imaging modalities used with robotic surgery.
GRADUATE SURGICAL EDUCATION

Med IV Boot Camp

Fourth year medical students entering surgery recently participated in a week-long surgical “Boot Camp” in order to better prepare for internship. Students attended several sessions on various topics such as Time Management for Residents, Critical Care, Surgery A through Z, and a porcine wet lab. This is the first year that the Department of Surgery has held the Surgical Boot Camp, and based on the feedback we received, will likely continue the program. We would like to thank Drs. Eiferman, Noria, Lindsey, Terando, Muscarella, Schmidt, Higgins, Sigmond, Harzman, Meara, and Schwartz for making the program a huge success.

CSS 25th Annual Presidential Symposium

Several Department of Surgery trainees received awards for their presentations at the Columbus Surgical Society 25th Annual Preseidential Symposium. The event was held March 1 at the Ross Heart Hospital.

First Place – A Novel AMP Kinase Activator Sensitizes Pancreatic Cancer to Radiation – Dr. Lawrence “Drew” Shirley, surgical oncology fellow

Second Place – Personality Traits and Job Satisfaction Among Hepato-Pancreato-Biliary Surgeons – Dr. Sylvester Osayi, general surgery resident

Third Place – Pediatric Donors for Simultaneous Pancreas-Kidney Transplant – Dr. Ashraf El-Hinnawi, transplantation fellow

Das receives travel award

Amitava Das, graduate research associate in Dr. Sashwati Roy’s laboratory has been awarded a $1000 Scientific Travel Award for his poster “Engulfment of Apoptotic Cells by Macrophages: A Role of MicroRNA-21 in the Resolution of Wound Inflammation” presented at the 13th Annual OSUWMC Trainee Research Day. The event was held April 9-10. The faculty judges assigned to Amitava’s poster judged his to be exceptional in his trainee group. The Travel Award is to be used by the recipient for attending and presenting their research at a scientific meeting of his or her choice. Amitava was presented his award during the April 10 Awards Presentation at 5:30 pm in 170 Davis Heart and Lung Research Institute.

Amitava Das was also presented with the Basic Science Poster Presentation Award for excellence in research at the 11th Annual Russell Klein Nutritional Research Symposium, held March 21st.
IN BRIEF

**In the News**

**Ohio Heart Transplants Decline as Organs Go to Other States**
The number of heart transplants performed in Ohio dipped last year to its lowest level since 1989, but not because the waiting list is becoming shorter. In fact, of the 155 people who were waiting for heart transplants in Ohio as of Feb. 7, 59 percent had been doing so for at least a year, according to a Dispatch analysis of Organ Procurement and Transplantation Network data. That’s the highest rate in the nation. Dr. Robert Higgins, who heads the heart-transplant program at OSU’s Wexner Medical Center, is quoted. Dr. Bryan Whitson is photographed. [Columbus Dispatch](https://dispatch.com) - Dr. Higgins' letter to the editor

**Wellness Wednesday: Allergies, Obamcare, Test Tube Organs**
Mike Thompson interviewed Chandan K. Sen, PhD, professor of surgery and director of the OSU Center for Regenerative Medicine and Cell Based Therapies on WOSU/NPR Radio on March 19. Topics span tissue engineering and cell based therapies work occurring at OSU and how regenerative medicine will change the shape of medicine in the future.

The interview begins at the 34:20 mark of the Wellness Wednesday Program.

**Making a better leg: WillowWood, OSU improve prosthetic limbs for returning troops, other amputees**
WillowWood, a prosthetic-maker in Mount Sterling, is collaborating with wound experts at Ohio State University’s Wexner Medical Center to improve prosthetics for those who’ve lost a leg above the knee.

The U.S. Department of Veterans Affairs gave $3.7 million for the work. The team is about 18 months into a 26-month project, said Jim Colvin, director of research and development at WillowWood. So far, there have been 20 participants.

WillowWood, which was founded in 1907, has long worked to improve prosthetics but has largely relied on intuition, experience and feedback from test patients.

This study offers the staff an opportunity to work with medical experts to better understand the science behind what makes an artificial leg more responsive, more reliable and less likely to cause trouble for the remainder of the natural limb, Colvin said.

At Ohio State, study participants go through a series of exams to see how the amputee’s leg responds to the pressure and fit of the prosthetic’s socket.
“The prosthesis has a potential of hurting your limb,” said Ohio State researcher Dr. Chandan Sen.

When the amputees visit Ohio State, researchers perform exams and record information generated by sensors fitted into the prosthesis. This helps Sen and his team better understand how the prosthesis interacts with flesh and bone.

“Veterans are in their 20s, early 30s. They will live their whole lives (on a prosthesis),” Sen said. “They have to be able to enjoy life — they want to run, they want to play tennis.”

An ideal prosthesis is custom-fit to be snug enough to respond but doesn’t create undue pressure when it’s not in use, such as when a person is seated, said Sen, who directs the university’s wound center.

http://www.dispatch.com/content/stories/local/2014/03/27/making-a-better-leg.html https://medstaging.osumc.edu/regenerativemedicine/PressandRecognition/Pages/index.aspx

Dr. Jean Starr appeared on the NBC4-TV program “Matters of the Heart”, originally airing Thursday, February 27, 2014. She describe the inaugural use at the Wexner Medical Center of a new technology called Angiovac. This therapy vacuums blood clots from a patients vascular system and returns the filtered blood avoiding the need for transfusion. Dr. Starr’s patient was transferred to Ohio State suffering with inferior vena cava thrombosis - blood clots in his legs - and a life-threatening pulmonary embolism. The use of the Angiovac system as an emergency therapy performed better than expected, allowing the patient to make a complete recovery and avoid the possibility of leg amputation.

http://www.nbc4i.com/search?vendor=ez&qu=matters+of+the+heart

The OSU Wexner Medical Center celebrates its 100th lung transplant.
Dr. Bryan Whitson, assistant professor of surgery, Division of Cardiac Surgery was featured in a WBNS-10TV news story which aired March 27.
http://www.10tv.com/content/videos/2014/03/27/100th-lung-transplant.jpg?scale=w:140,h:100,t:2
Recognitions

Patient Satisfaction
Cardiac Surgery exceeded their patient satisfaction target score for the second quarter of fiscal year 2014. The Division will receive a $500 award for this achievement.

The Knightsbridge Vascular Surgery Clinic achieved the Quarterly Patient Satisfaction Goal (96.4% of patients would recommend the provider) for the 2nd quarter of this fiscal year. The clinic also made slight improvement in another key indicator – test results follow-up – which were at 64.3% this quarter, as compared to 60.0% for the 1st quarter.

The award includes $500 to continue to improve patient’s experiences in the clinic. Dr. Jean Starr suggested purchasing an IPAD, which could be used for patient education/online demonstrations. If you have a suggestion please contact Lynn Cox, clinic manager.

Congratulations to all involved on this great team achievement!

Dr. Donna Caniano, professor of surgery emeritus and former chief of the Division of Pediatric Surgery, was presented with a Nathan K. Blank Fellowship Award for 2014 which provides funding to conduct a research project in graduate medical education. Her project will be “Resident and Faculty Assessment of Program Areas for Improvement: Correlation with Faculty and Resident Domains on the ACGME Resident Survey.”

Dr. David Evans has received the New Practitioner Award, presented by the Medical Practice Section of ASPEN. He was also named Medical Director of the OSU Level 1 Trauma Center, January 2014

The Ohio State University Wexner Medical Center’s Physician Faculty Engagement Committee will present the Inaugural Exceptional Physician Peer Award on Wednesday, March 12, to Dr. Ahmet Kilic, Assistant Professor in the Division of Cardiac Surgery. Award winners are selected based on showing exemplary skills in one or more of the following areas: patient focus, collegiality/professionalism, innovative models of care, leadership and collaboration.
Dr. Peter Muscarella, II has been appointed to the Society of University Surgeons (SUS) Committee on Publications. The three year term begin in 2014 and continues through 2017. Responsibilities include reviewing and scoring online abstracts, participating in committee conferences and attending the committee meeting at the 2014 American College of Surgeons Clinical Congress and the 2015 SUS Academic Surgical Congress.

Dr. Kyle Perry has been selected to receive the Landacre Research Honor Society Biomedical Research Mentor of the Year Award. The society honors Dr. Perry for his outstanding dedication to advising and mentoring future physicians at The OSU College of Medicine. The 2014 Landacre Induction Ceremony and Banquet will be held on May 5th 2014 where Dr. Perry will be presented with a plaque in recognition of this award.

Dr. Jean Starr, associate professor of surgery, Vascular Diseases and Surgery, was honored by several patients and their families during the recent National Doctors Day by making donations in her name to the OSU Wexner Medical Center. The donations will be used to support the advancement of patient care and research.

In February of this year Dr. Starr was also selected as a journal reviewer for Vascular Medicine.


Dr. Patrick Vaccaro, professor and chief, Division of Vascular Diseases and Surgery, was selected as one of three Outstanding Working Professional MBA Students by the OSU Fisher College of Business. Congratulations on this accomplishment! Awardees will be recognized at the Fisher Pre-Commencement Ceremony on Saturday, May 3. Professor Ken Boyer will present the special awards and awardees will sit on stage during the ceremony. Dr. Vaccaro recently completed his MBA degree. Congratulations on this accomplishment!
Grants

Evans DC. Nestle Fellowship in Enteral Nutrition Grant, total value of $12,459

Book Chapters


Publications


### Abstracts

**Coffey R.** Initial Airway Management for the Burn Patient. First Responders Cruise, February 2, 2014

**Coffey R.** Initial Stabilization of the Burn Patient. First Responders Cruise, February 2, 2014

**Coffey R.** Unusual Burn Injuries. First Responders Cruise, February 4, 2014


### National Presentations

**Bailey JK,** Hultman CS. Co-Moderators, Laser Therapy for Burn Patients, Sunrise Symposium at the 46th Annual Meeting of the American Burn Association, Boston, MA, March 26, 2014

**Coffey R,** Voigt DW. Co-Moderators, Poster Session: Public Health, at the 46th Annual Meeting of the American Burn Association, Boston, MA, March 26, 2014.

**Coffey R,** Supple, KG. Co-Moderators, Nurse Management in the Burn Unit, Sunrise Symposium at the 46th Annual Meeting of the American Burn Association, Boston, MA, March 26, 2014

Evans D. Podium Presentation. “Fixing the Enteral Feeding Access Problem: Diagnosis and Treatment When It Hurts, Falls Out, or Malfunctions.” American Society for Parenteral and Enteral Nutrition, Savannah, GA. January 21, 2014


Henry ML. Moderator, Video Abstract Presentation, Meeting the Challenges of Innovation, ASTS 14th Annual State of the Art Winter Symposium, Miami FL, January 26, 2014

Jones C, Boulger CT, Adkins EJ, Evans DC, Eiferman DS, Lindsey DE, Njoku C, Cook CH, Steinberg SM, Papidimos TJ, Bahner DP, Stawicki SP. A Prospective study of pulmonary artery pressures and inferior vena cava collapsibility in surgical ICU patients. Presentation at the 9th Annual Academic Surgical Congress, San Diego, CA, February 4-6, 2014


Jones LM. National Faculty and Instructor, Advanced Burn Life Support Course, UPMC Mercy Hospital, Pittsburgh, PA, February 18, 2014

Jones LM, Smith HG. Co-Moderators, Surgery for Hand Burns, Sunrise Symposium at the 46th Annual Meeting of the American Burn Association, Boston, MA, March 27, 2014

Justiniano C, Coffey R, Evans D, Sandhu N, Murphy C, Miller SF, Jones LM, Stawicki S. Comorbidity-Polypharmacy Score Predicts In-Hospital Complications and the Need for Extended Care Facility in Older Burn Patients. Presented at the 46th Annual Meeting of the American Burn Association, Boston, MA, March 26, 2014

Miller SF, Reigart SL. Co-Moderators, Poster Session: Quality Improvement, at the 46th Annual Meeting of the American Burn Association, Boston, MA, March 27, 2014


Stawicki SP, Green JM, Martin ND, Green RH, Cipolla J, Seamon MJ, Eiferman DS, Evans DC, Hazelton JP, Cook CH, Steinberg SM. Results of a prospective, randomized, controlled study of carboxymethylcellulose sodium hyaluronate adhesion barrier in trauma open abdomens. Presentation at the 9th Annual Academic Surgical Congress, San Diego, CA, February 4-6, 2014


Local Presentations

Bailey JK. Burns and Frostbite. Presentation to Orthopedic Residents, The Wexner Medical Center East at The Ohio State University, Columbus, OH, February 7, 2014

Coffey R. Initial Management of the Burn Patient. Trauma Tactics. The Ohio State University Wexner Medical Center, Columbus, OH, January 8, 2014
Coffey R. Initial Management of the Burn Patient. Trauma Tactics. Doctors Hospital, Columbus, OH, January 17, 2014

Coffey R. Initial Management of the Burn Patient. Trauma Tactics. The Ohio State University Wexner Medical Center, Columbus, OH, February 12, 2014

Coffey R. Basic Trauma and Burn Support. Presentation to pulmonary, allergy, critical care and sleep residents, The Ohio State University Wexner Medical Center, Columbus, OH, February 13, 2014


Evans D. “Hemostatic Resuscitation & Pre-Hospital Tranexamic Acid” Multi-Track Conference for EMS & Fire Instructors. Delaware, OH. March 21, 2014

Go, MR. Statistics Lecture for Trauma Series. The Ohio State University Wexner Medical Center, Department of Surgery, Columbus OH, February 14, 2014

Go MR, Haurani MJ. Aortic Aneurysms. OSU MedNet21 CME Webcast, Columbus OH, February 21, 2014

Go MR. Arterial and Vascular Graft Infection. The Ohio State University Wexner Medical Center, Division of Vascular Diseases & Surgery, Vascular Grand Rounds, Columbus OH, February 24, 2014

Haurani MJ. Medical Student Research Scholarship Review Committee, The Ohio State University Wexner Medical Center, Columbus OH, 2013-2014

Jones LM. Course Director, Advanced Trauma Life Support Course, Central Ohio Trauma Systems, Columbus, OH, February 21-22, 2014

Jones LM. WBNS-TV/10, Burn Survivors Discuss Their Road to Recovery at Ohio State’s Wexner Medical Center, February 24, 2014

Jones LM, Bailey JK. WBNS-TV/10, Man Says He Owes His Life to Ohio State Burn Center, February 25, 2014

Jones LM, Bigley A. Med Flight Radio, podcast interview on burn program at The Ohio State University Wexner Medical Center, broadcast at www.medflightradio.com beginning March 15, 2014
Jones LM. Initial Burn Management. Southern Ohio Medical Center, Portsmouth, OH, March 21, 2014

Meyerson J, Coffey R, Jones LM, Miller SF. Burn Center Barrier Protocols During Dressing Change: A National Survey. Poster presentation at the Seventh Annual Translational (T2C) Regenerative Medicine Wound Care Conference, The Ohio State University Wexner Medical Center, Columbus, OH, March 13-15, 2014

Miller SF. Instructor, Advanced Trauma Life Support Course, Central Ohio Trauma Systems, Columbus, OH, February 28, 2014

Mouawad N. Venous System of the Lower Extremities: Physiology & Pathophysiology. The Ohio State University Wexner Medical Center, Division of Vascular Diseases & Surgery, Vascular Grand Rounds, Columbus OH, March 10, 2014

Rink CR. Faculty Profile. The Ohio State University Wexner Medical Center, Department of Surgery, Faculty Profile Series, Columbus, OH, February 3, 2014

Rink C. Targeting Arteriogenesis Against Ischemic Stroke. The Ohio State University Wexner Medical Center, Department of Surgery, Surgery Grand Rounds, Columbus OH, March 27, 2014


Satiani B. The business of medicine or change management. The Ohio State University Wexner Medical Center, Department of Surgery, Assistant Professor Group, Columbus, OH, January 9, 2014

Satiani B. Introduction to semester, healthcare occupations and healthcare reform. The Ohio State University Wexner Medical Center, Fisher School of Business, Healthcare Industry Cluster, Columbus, OH, January 14, 2014

Satiani B. “My top ten list in healthcare; Medicare” Fisher School of Business Healthcare Industry Cluster, February 11, 2014

Satiani B. Venous Disease. Speaker Professor Conference. Speaker Professor Conference. Columbus, OH, February 13, 2014

Satiani B. Business of academic medicine. FAME Lunch & Learn Session. Columbus, OH, March 11, 2014
Satiani B. “Faculty Leadership Institute.” In “Resources and tools for career success” at New Faculty Orientation: getting engaged in the academic life. Columbus, OH, April 1, 2014


Satiani B. Finance; Corporations and tax structures Practice Management Seminar to Surgical Residents, Columbus, OH, April 17, 2014

Starr JE. Peripheral procedures, anatomy, complication and Info on setting up and preparing Vascular Patients. Ross Heart Hospital, Cath Lab In-Service, Columbus, OH, January 24, 2014

Starr JE. Radiation Safety for Vascular Surgeons. The Ohio State University Wexner Medical Center, Division of Vascular Diseases & Surgery, Vascular Grand Rounds, Columbus, OH, January 27, 2014

Starr JE. IVC thrombosis managed with new Angiovac device. WBNC-Channel 4 TV, Matters of the Heart, Columbus, OH, February 27, 2014

Starr JE. Clinical Competency Committee, The Ohio State University Wexner Medical Center, Department of Surgery, Columbus, OH, 2014

Starr JE. Vascular Graft and their complications. Ross Heart Hospital, 5th floor In-service, Columbus, OH, March 5, 2014

Vaccaro PS. Aorta & Great Vessels. The Ohio State University Wexner Medical Center, Department of Surgery, Professor Conference, Columbus, OH, February 27, 2014

Outreach

Coffey R, Bigley A. March Madness for Health & Wellness, burn prevention outreach. Eldon Ward YMCA, Columbus, OH, March 1, 2014

Burn Survivor Luncheon

The Burn Program hosted a Burn Survivor Luncheon on March 16, 2014 to allow burn survivors an opportunity to take part in a burn support group as well as network with fellow burn survivors. The luncheon was held at the Local 67 Columbus Firefighters’ historic building on Broad Street. The Columbus Firefighters Foundation generously sponsored the entire luncheon, including donating their time to actually prepare the food. Not only was it a great surprise when the Columbus Firefighters Foundation announced they wanted to host this event next year, but it was an even greater surprise when they presented their generous donation of $1000.00 for the burn fund.
Visitor from Senegal
Dr. Mouhamadou Mansour Fall MD, Spécialiste de Hôpitaux des Armées, Médecin Anesthésiste-Réanimateur Urgentiste- DIU de Brûlologie (Paris Descartes), Unité de Soins Intensifs Chirurgicale (USIC) Hôpital Principal de Dakar (HPD), Director of the Burn Center in Dakar, Senegal visited the OSU Wexner Medical Center Burn Center from March 18-21, 2014. The initial contact for this visit was made by Dr. Cheikh Thiam of the Department of African Studies.

During his visit, Dr. Fall participated in all activities of the OSU burn team as an observer including wound care, surgery, patient rounds and clinics. He also spent a day with the burn team at Nationwide Children’s Hospital. Members of the burn team had “conversations” with Dr. Fall on various aspects of burn care including wound management, surgical management, physical and occupational care of the burn patient, and nutritional and psychological support for both in- and out-patients.

Sidney Miller, MD, founding director of our currently verified Burn Center, will be attending the West African Burn Conference in May as the keynote speaker and to explore the possibility of developing a reciprocal relationship with the Senegal Burn Center and its Department of Surgery.
Faculty Mentoring
On Friday, Feb. 7 Scott Eley, RN, EMT-P, RCP and David Evans, MD hosted a group of visiting physicians from the Hospital of Lithuanian University of Health Sciences, Kaunas Clinics, Kaunas, Lithuania as they toured the Level 1 Trauma Center.

Japan Visitors
OSU Surgery hosted visitors from Chiba University interested in learning about nutrition support in the United States, March 3-7.

The group included physicians, dietitians, a nurse, and a pharmacist. Hosts included David Evans, MD, Director of Nutrition Support Services, Kay Wolf, PhD, Director of Medical Dietetics and Health Sciences and Brad Needleman, MD and Dean Mikami, MD in Comprehensive Weight Management.

Dr. David Evans, (front row, center) with visitors from Chiba University.