Spring is upon us. The wan look of winter has been replaced by a little more pink in many cheeks and a little more bounce in many steps. We are pleased to emerge from what was a dark and dry, and then cold and wet winter into a season with much to look forward to.

To begin, we are excited about opening a new campus for our rural surgery program at Bay Memorial Hospital in Coos Bay, Ore. This program will be similar to our experiences in Grants Pass except the rotations will be shorter (six months) and the individuals will be in their third or fourth year of residency. Karen Deveney, M.D. and I ventured down to Coos Bay last month to inspect the facility and to meet with the faculty. We are proud to say that this is a very engaged group and are pleased to have Steven Giss, M.D. running the program for us. Fourth-year resident Vicente Undurraga, M.D. is already in Coos Bay for a short six-week rotation, paving the way for the first two surgical residents to arrive in July.

It is no surprise to any reader of this Surgical Log that the rural surgery training program in Oregon is one of the distinguishing features of our surgical residency, attracting the best and the brightest from across the country who are interested in rural and international surgery. The reality is that these training programs cost us above and beyond the support we receive from the host hospitals, particularly in housing for our residents. Dr. Karen Deveney and I have set up a fundraising mechanism utilizing the Oregon Chapter of the American College of Surgeons (ACS) as well as the OHSU Foundation. At the Oregon-Washington ACS Summer Conference in Sunriver this June, we will host a golf tournament and dinner focused on raising funds for our rural surgical training programs. We believe that this is the right direction for our state and we hope to see all of you in Sunriver, either on the golf course or at dinner, on the weekend of June 12-15, 2014.

Continued on page 2
Faculty News

Chairman’s Message (continued)

This edition of the Surgical Log is full of the great accomplishments of our faculty, including a traveling fellowship for James Dolan, M.D., a new system of perfusion for transplant kidneys introduced by David Scott, M.D., news from our Global Surgery Program, a report on ski day, and the gala at the Deveney’s home for VirtuOHSU featuring Thomas Lauderdale, Aaron Caughey, M.D., and the von Trapp family singers. In the last newsletter we announced the formation of the Brenden-Colson Center for Pancreatic Care. This month we tell you about our team and our mission.

As well, in this issue we introduce you to Samer Mattar, M.D., our new Chief of Bariatric Surgery, recently arrived from the University of Indiana where he started a program virtually from scratch, and persuaded the state of Indiana and most of its payers to support bariatric surgery for its many benefits in diabetes care, cardiac health, longevity and general wellness. Dr. Mattar brings a new light, new energy and a new drive to our program that will be extraordinarily exciting.

We are looking forward to a great Grand Rounds schedule to round out the year, the highlight of which will be Donald Trunkey, M.D.’s recollections on his life as a surgeon. Looking even farther over the bow, the 9th annual Department of Surgery golf tournament, and auction is scheduled on September 5, 2014 at the Royal Oaks Golf Club in Vancouver, Wash. This has been a fabulous event for both golfers and non-golfers alike. Please mark it on your calendar now as we look forward to great attendance and great fun in the early autumn at Royal Oaks.

Enjoy the spring. Enjoy the summer. We will be back to you in August with our next newsletter!

John S. Watt

OR-WA ACS Summer Conference
Sunriver Resort, Sunriver, Oregon
June 12-15, 2014

Register online at www.oregonchapteracs.org

2nd Annual Women’s Leadership Conference
Tuesday, May 27, 2014
11:00 a.m. - 5:00 p.m.
Vey Conference Center
Doernbecher Children’s Hospital
Keynote address: Susie Wee, V.P. and Chief Technology and Experience Officer of Collaboration and Communication at Cisco Systems
“Leadership Experiences: Lessons Learned”
Lunch with OHSU senior women leaders
Inspirational breakout sessions
Register: www.ohsu.edu/xd/education/schools/school-of-medicine/about/events.cfm
SSAT International Traveling Fellowship awarded to Dr. James Dolan

The competitive Karen and Josef E. Fischer International Traveling Fellowship is awarded to an SSAT Member each year to visit a limited number of academic Gastrointestinal Surgical Units in other countries for a continuous period of two to three weeks. The Traveling Fellow is expected to observe procedures in the operating room, as well as to accompany the host faculty member(s) on patient rounds and clinic/office sessions and to attend and participate in relevant research, service, and teaching conferences of the host institutions.

2013 recipient James Dolan, M.D., traveled to New Delhi and Lucknow India in November 2013 where he visited three academic surgical units. In Lucknow, he was the guest of Professor Rajneesh Singh and Professor Rajan Saxena in the Department of Surgical Gastroenterology, Sanjay Gandhi Post Graduate Institute of Medical Sciences (SGPGIMS). Here he rounded with the faculty and fellows and participated in the operating theater. After spending 10 days in Lucknow, he traveled to New Delhi where he was a guest of Professor Peush Sahni in the Department of Gastrointestinal Surgery at the All India Institute of Medical Sciences (AIIMS) and Professor Pramod Mishra in the Department of Surgical Gastroenterology at G.B. Pant Hospital, New Delhi, India. Similar to his experience in Lucknow, he was able to get an appreciation for the scale and complexity of surgical care in India. In one instance, he performed a thoracoscopic esophagostomy for removal of a chronically-impacted dental implant. Not an uncommon problem in this nation of 1.1 billion people.

Dr. Dolan also had the opportunity to visit sites outside of the hospital. India is rich in tradition and has excellent examples of Mugal architecture that has survived colonial rule and numerous uprisings. The most famous of these sites is, of course, the Taj Mahal.

2nd Annual Thyroid Awareness Event Gets Creative

The 2nd Annual Thyroid Awareness Event, hosted by Mira Milas, M.D., and Maisie Shindo, M.D., in late January, used not just lectures but art to help spread awareness about the importance of thyroid health. Joined by approximately 30 patients and guests, initial discussion culminated in a two-hour painting session.

Together, gathered community completed 16 canvases that were connected to depict two hands cupping a butterfly. “The butterfly was chosen for its resemblance to a thyroid, while the cupping hands represented the supportive community devoted to thyroid health,” said Claire Lawrence, M.P.A., division manager for surgical oncology.

Dr. Milas practices at the Thyroid and Parathyroid Center in the Physicians Pavilion at OHSU.
On Monday, January 18, we performed a kidney transplant that proves that sometimes retro is the way to go! There are two primary ways to store a kidney prior to transplantation—the most common is to keep the organ in cold preservation solution, and the other is to place it on a pulsatile kidney machine. The latter method may seem somewhat antiquated since the technology has been around since the 1960’s, but several recent studies have indicated that some kidneys, particularly those from older donors and non-heart beating donors, function well if machine pumped.\textsuperscript{1,2,3,4} In many cases this results in better initial kidney function which can lead to better long-term survival rates, a very promising potential outcome. So, with a desire to get ahead of the behind times (or something along those lines), we have been working to implement the use of pumps, a first since the 1980’s at OHSU. Pacific Northwest Transplant Bank (PNTB) has welcomed coordinator Lucas Dashner to assist with pumping the kidneys, and PNTB has established a “clean area”, which allows the sterile transfer of organs. I am proud to report that on Sunday, January 17th, we received a kidney from the east coast, and after enduring a long cold ischemia time due to the bad weather, the kidney was transferred to a pump in the south OR, transplanted on Monday, and worked right away! The grateful patient was discharged four days later.

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Celebrate the Knight

On January 23, Kevin Billingsley, M.D. was recognized by the OHSU Knight Cancer Institute at the Celebrate the Knight event for his outstanding work toward delivering personalized cancer care throughout the northwest region. Through an affiliation with Salem Health, Dr. Billingsley has worked to enhance the coordination of patient care and provider education and training to offer seamless multidisciplinary care to patients. Also from the Division of Surgical Oncology, John Vetto, M.D. was recognized for taking clinical trial performance and community outreach to the next level through his partnership with Sancy Leachman, M.D., Chair of Dermatology, to develop a multidisciplinary melanoma program.

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Dr. Mattar has followed a circuitous route to Oregon. He was born in China to Egyptian diplomat parents who were stationed in Beijing and grew up in several countries in Europe, South America and Canada; returning to Egypt where he completed high school. As a child, he had always expressed interest in being a surgeon and so he matriculated into the Faculty of Medicine at Cairo University after realizing that he needed a degree in medicine in order to practice surgery. Following graduation, he was appointed as a surgical house officer at a cutting-edge military hospital in Jeddah, Saudi Arabia. It was in this setting of up-to-date technology juxtaposed with ancient traditional medical practices that he first discovered the complexities of delivering modern health care to a dubious and suspicious population; a trait that would serve him well in his later stages.

He then traveled to Scotland for further training as a surgical registrar in preparation for attaining a Fellowship from the Royal College of Surgeons in Edinburgh. During this three-year tenure, Dr. Mattar learned to eat, but not necessarily appreciate, haggis and black pudding. He did, though, develop a strong affinity to the Scottish love of storytelling and the characteristically strong resolve and endurance of the people. He was particularly pleased during one night shift in the Emergency Room when he treated an inebriated young man who celebrated his impending wedding by scaling a tall flagpole. It was on that night that Dr. Mattar finally solved the mystery of what, if anything, is typically worn under a gentleman's kilt.

Dr. Mattar left Edinburgh to come to the United States in search of research opportunities at Emory University. It soon became obvious that health care in America was at the forefront of medicine and he therefore completed the required equivalence examinations and was fortunate to obtain residency positions at the Emory and Vanderbilt surgery programs. This was followed by a fellowship in Advanced Laparoscopy at Emory where he was introduced to the budding world of laparoscopic bariatric surgery. It was during this fellowship that he witnessed the profound transformations in physical, medical and mental states that patients underwent, and the decision to devote his life to the care of morbidly obese patients was made.

Dr. Mattar left Atlanta to join the faculty of the University of Pittsburgh where bariatric surgery, under the direction of Phil Schauer, was undergoing explosive growth in procedures and research publications. Over the next few years, the realm of bariatric surgery would reach unprecedented levels of scientific advancement and recognition. Dr. Mattar then relocated to Indiana University where he helped develop and grow a multi-disciplinary bariatric program, and in the process became an adopted Hoosier who passionately rooted for the Colts and the Pacers.

He is now committed to discovering Oregon in all its beauty and glory, and remains enthralled by the number of Thai restaurants, pet stores, and coffee-shops Portland has to offer. He is eagerly anticipating the arrival of his wife, Tallah, and younger son, Layth, when he completes his freshman year at Jesuit Preparatory High School in Indianapolis, and visits from Omar, his older son who is a business major at Indiana University.

Faculty Accomplishments: 2013-2014

It has been a busy season for John Barry, M.D., Professor of Surgery in the Division of Abdominal Organ Transplantation and Professor of Urology.

This past December, at the 60th Annual Meeting of the Northwest Urological Society in Vancouver, BC, a resident essay competition award was named after Dr. Barry.

In January of this year, at the 61st Annual James C. Kimbrough Urology Seminar in San Diego, Dr. Barry received the H.G. Stevenson Award for outstanding contributions to urologic education and dedication to the science and success of renal transplantation (pictured right).

And this month, at the Annual Meeting of the Urological Association in Orlando, FL, Dr. Barry will receive the Distinguished Contribution Award for outstanding contributions to urologic education and dedication to the science and success of renal transplantation.
**Division of Abdominal Organ Transplantation**

- OHSU Liver Transplant Program listed at #3 in the UHC Top 10 for Mortality Observed/Expected (0.00) CY 13.
- Fellowship Council approval received for the hepato-pancreatico-biliary fellowship in collaboration with surgical oncology, co-directed by Kevin Billingsley, M.D. and Susan Orloff, M.D. Fellowship Council site review is complete, with accreditation pending.
- A process improvement project in collaboration with Center for Health System Effectiveness has resulted in reduced average LOS for kidney transplant recipients (From 7.4 days to 5.5 days).
- The OHSU kidney transplantation program implemented the use of kidney pumps. Recent studies have indicated that some kidneys, particularly those from older donors and non-heart beating donors, function well if machine pumped. In many cases this results in better initial kidney function which can lead to better long-term survival rates, a very promising potential outcome (for more detail see *Kidney Transplant Goes Retro*, page 4).

**Division of Cardiothoracic Surgery**

- The Aorta Program was organized with Divisions of Cardiology, Vascular Surgery, and the Dotter Institute.
- The Total Artificial Heart Program was organized with KCVI and a start-up company.
- The Dougan Family Lectureship was inaugurated by cardiovascular surgeon Joseph Bavaria, M.D. as first visiting professor.
- General thoracic surgery outreach/collaboration commenced with Salem Hospital and the Legacy System.
- Innovative Ex Vivo simulation curriculum was implemented for fellows and residents.

**Division of General Surgery**

- The OHSU Department of Surgery awarded Robert Martindale, M.D. with the Marquam Hill Distinguished Faculty Award.
- James Dolan, M.D. was the recipient of the Karen & Josef E. Fisher International Traveling Fellowship (see *Faculty News*, page 3).
- Karen Deveney, M.D. was appointed 2016 President Elect of the Pacific Coast Surgical Association Council.
- Kim Lu, M.D. was appointed 2015 Program Chair for the North Pacific Surgical Association.
- Liana Tsikitis, M.D. was appointed Program Director for the Inaugural Colorectal Ethics Symposium of the American Society of Colon and Rectal Surgeons.

**Division of Pediatric Surgery**

- Successful recruitments of new Division Chief Kenneth Azarow, M.D. and Elizabeth Fialkowski, M.D.
- Organization and direction of the Program on Global Health at the Academic Surgical Congress.
- Initiation of the Congenital Diaphragmatic Hernia Program as well as the Non-Cardiac ECMO Program at Doernbecher Children's Hospital.
- Successful implementation as Alpha test site for the Pediatric Surgery Milestones Program.
Division of Plastic & Reconstructive Surgery

- **Juliana Hansen, M.D.** elected to the American Board of Plastic Surgery.
- **Anna Kuang, M.D.** promoted to Associate Professor.
- **Reid Mueller, M.D.** and **Anna Kuang, M.D.** were selected faculty for an advanced maxillofacial course.
- **Juliana Hansen, M.D.** was chosen for a visiting professorship through the Plastic Surgery Foundation.
- **Anna Kuang, M.D.** presented four papers with students at the most recent NW Plastic Surgery meeting.

Division of Surgical Oncology

- The Theodore C. & Katherine P. Bentley Foundation Pledge promises $467,000.00 over the next four years for breast cancer research, studying breast cancer stem cells. Research will be headed by **Rodney Pommier, M.D.** and **SuEllen Pommier, Ph.D.**
- The Pacific Northwest Chapter of the American Association of Clinical Endocrinologists was founded by **Mira Milas, M.D.** Dr. Milas was elected as Co-Director and President.
- ORION, Oregon Index of Endocrine Neoplasias, OHSU’s first endocrine tumor registry, was developed by **Mira Milas, M.D.** and Project Coordinator, **Enrique Leon, B.S.**, assisted by research resident **Uma Rajbeharrysingh, M.D.**
- **Kevin Billingsley, M.D.** was recognized by The Knight Cancer Institute for his efforts with the Salem Health Affiliation, enhancing patient care and provider education and training as well as involvement in the Liver Tumor Program.
- **John Vetto, M.D.** partnered with **Sancy Leachman, M.D.**, Chair of Dermatology, to develop a multidisciplinary melanoma program.

Division of Trauma, Critical Care & Acute Care Surgery

- **Susan Rowell, M.D.** and **Jennifer Watters, M.D.** were promoted to Associate Professor and made Vice Chairs to the ACS Committee on Trauma.
- **Laszlo Kiraly, M.D.** initiated the Trauma Research Associate Program.
- **Susan Rowell, M.D.** was named Scientific Principle Investigator in a grant-funded study of the use of pre-hospital tranexamic acid in patients with traumatic brain injury.
- **Jennifer Watters, M.D.** was admitted to the inaugural class of six Master Educators in Compassionate Communication, a new program within the Center for Ethics in Health Care at OHSU.

Division of Vascular Surgery

- **Erica Mitchell, M.D.** elected to the American Board of Vascular Surgery.
- **Gregory Moneta, M.D.** appointed Associate Editor of the Editorial Board of the *Journal of Vascular Surgery*.
- **Timothy Liem, M.D.** and **Gregory Landry, M.D.** appointed to the Editorial Board of the *Annals of Vascular Surgery*.
- **Gregory Landry, M.D.** appointed to the Editorial Board of the *Journal of Vascular Surgery*. 
This year’s Sam Liu Lecturer is Han-Kwang YANG, M.D., M.S., Ph.D., Professor and Chief of Gastrointestinal Surgery in the Department of Surgery & Cancer Research Institute at Seoul National University College of Medicine, Seoul, Korea. Dr. YANG is an active researcher and is involved in several large scale RCT’s for gastric cancer treatment. He is the Korean PI of REGATTA, a phase III study examining the role of gastrectomy in stage IV gastric cancer with a single incurable factor. Dr. YANG is also an investigator in the CLASSIC trial, which studies the role of adjuvant chemotherapy in Stage II and III gastric cancer patients. His role as investigator in the multicenter KLASS trial brings focus to the comparison of laparoscopic versus open surgery in Korean patients with advanced gastric cancer.

Dr. YANG received his medical degree, M.S. and Ph.D. at the Seoul National University College of Medicine, Seoul, Korea. In addition to an active surgical career, Dr. YANG teaches in the Seoul National University Hospital as Director of the Gastric Cancer Center, mentoring surgical residents and fellows through his surgical skills workshop. He also organizes and leads the Korean Laparoscopic Gastrointestinal Surgery Study Group, which hosts educational conferences and animal workshops at the University.

Visiting Lecturers

George C. Mejicano, M.D., M.S.

Dr. George C. Mejicano received his M.D. from the University of Illinois in 1990. After finishing his clinical training at the University of Wisconsin Hospital and Clinics, he became, and remains, board certified in internal medicine and infectious diseases. In 1996 Dr. Mejicano received his Master of Science degree in adult and continuing education from the University of Wisconsin. He is currently a Professor of Medicine in the Division of Infectious Diseases at OHSU, where he also serves as Senior Associate Dean for Education. Dr. Mejicano is the principal investigator for the OHSU proposal that was awarded $1 million by the American Medical Association to transform the school's undergraduate medical education curriculum. His clinical interests include travel medicine, antibiotic resistance, and emerging infectious diseases.

Alessandro Fichera, M.D., FACS, FASCRS

Dr. Alessandro Fichera is a Professor of Surgery at the University of Washington. He earned his M.D. from the Catholic University of Rome and completed a General Surgery Residency at the University of Chicago followed by a two year fellowship in laparoscopic and colorectal surgery at the Mt. Sinai School of Medicine in New York. He then returned to the University of Chicago and was the Program Director of the Colon and Rectal Surgery Training Program. In July 2012 Dr. Fichera moved to the University of Washington Medical Center as Chief of Colorectal Surgery and was appointed Chief of GI Surgery in 2014. Dr. Fichera is one of the national co-PI’s for the PROSPECT (CALGB811001/N1048/ACOSOGZ6092) trial and has authored 78 peer-reviewed manuscripts and 26 book chapters. His very busy clinical practice is focused on inflammatory bowel diseases and colorectal cancer.
2014 Grand Rounds Schedule

Oregon Health & Science University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to sponsor medical education for physicians. OHSU School of Medicine, Division of CME, designates the educational activity for a maximum of 1.0 AMA PRA Category 1 Credit™ per session. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Grand Rounds begins at 7:30 AM, unless otherwise noted.

April

April 7: “The Rise and Fall of Cancer Mortality in the USA - Why Pancreatic Cancer Does Not Follow the Trend and the Battle to Reverse This,” Brett C. Sheppard, M.D., FACS, Professor and Vice-Chair of Surgery, Division of General Surgery, Department of Surgery, OHSU

April 14: “Creating Reliability and Value in Surgery,” Matthew Slater, M.D., Professor of Surgery, Section Chief - Adult Cardiac Surgery, Division of Cardiothoracic Surgery, Department of Surgery, OHSU

April 21: SAM LIU LECTURE: “Redefining Gastric Cancer Surgery: Open, Laparoscopic vs. Robotic,” Han-Kwang YANG, M.D., Ph.D., Professor of Surgery, Cancer Research Institute, Seoul National University College of Medicine, Seoul, Korea

April 28: “Consequences and Implications of a Competency-Based Curriculum,” George C. Mejicano, M.D., M.S., Professor of Medicine, Senior Associate Dean for Education, School of Medicine, Division of Infectious Diseases, OHSU/VAMC

May

May 5: “Knocking on Heaven’s Door: Interventions for the Injured Patient in extremis,” Ron Barbosa, M.D., FACS, Associate Medical Director of Trauma Critical Care, Pacific Surgical, P.C., Portland, OR

May 12: “Multimodality Management of Rectal Cancer: The Past, the Present and the Future,” Alessandro Fichera, M.D., FACS, FASCRS, Professor of Surgery, University of Washington Medical Center, Seattle, WA

May 19: “My Life as a Surgeon,” Donald D. Trunkey, M.D., Professor of Surgery, Past-Chairman, Department of Surgery, OHSU

May 26: MEMORIAL DAY HOLIDAY - Grand Rounds CANCELED

June

June 2: “Reaching Out to Distressed Residents and Faculty,” Sydney Ey, Ph.D., Associate Professor, and Mary Moffit, Ph.D., Assistant Professor; Directors, Resident and Faculty Wellness Program, Department of Psychiatry, OHSU

June 9: “Use of Prophylactic IVC Filters: A Lively Debate,” Laura Kreiner, M.D., & Gordan Riha, M.D., Intensive Care Unit Fellows, Division of Trauma, Critical Care & Acute Surgery, Department of Surgery, OHSU

June 16: “Bariatric Surgery: The Past, the Not So Pretty, the Present and the Future,” Nicholas Kunio, M.D., & Jennifer Preston, M.D., Instructors, Department of Surgery, OHSU

June 23: “International Trauma Systems,” Lily DiGiacomo, M.D., Intensive Care Unit Fellow, Division of Trauma, Critical Care & Acute Surgery, Department of Surgery, OHSU
The Brenden-Colson Center for Pancreatic Care under the co-directorship of Brett Sheppard, M.D. (Clinical Director) and Rosalie Sears, Ph.D. (Translational Science Director) continues to make strides toward improved therapy for benign and malignant pancreatic disease. The center was initiated by a generous donation from the Colson Foundation and the Brenden family. It continues to be supported by donations from patients, their families and national competitive grants awarded to Brenden-Colson investigators. The center fosters collaboration between pancreatic surgeons, translational scientists, medical and radiation oncologists, gastroenterologists, pathologists, endocrinologists, radiologists and other healthcare providers. The multi-disciplinary mission of the Brenden-Colson Center is to advance translational and clinical research to produce clinically meaningful improvements in QOL and survival for patients with pancreatic diseases.

The Oregon Pancreas Tumor Registry (OPTR) is an extensive, HIPAA compliant active bio-library of patient data and tissue that serves as the foundation for the Brenden-Colson Center for Pancreatic Care. This registry is managed by Hope Hardacker, M.P.H. with Senior Researcher Assistant Charlie Borzy, CCRC, both members of the Division of Gastrointestinal and General Surgery. The OPTR serves patients who have 1) high risk familial or genetic pancreatic cancer and are under active screening protocols, and 2) patients with pancreatitis and pancreatic cancer undergoing surgical resection. The OPTR will soon have bio-samples from patients with unresectable and metastatic disease and those undergoing diagnostic endoscopic ultrasound. A rapid autopsy program is also in place for patients with pancreatic cancer who wish to contribute to the registry. The OPTR links patient data and outcomes with banked serum, pancreatic tissue and pancreatic ductal fluid to improve investigators’ scientific understanding of the clinical implications of their findings. Plans are under way to merge the OPTR data with advanced imaging, genomic, metabolomic, proteomic and immunologic data generated from our patient samples. This will require higher order integrated computing capable of handling the questions that will emerge from the large amount of data generated from these comprehensive studies.

This enriched set of clinical specimens and cooperative resources will also allow investigators to study specimens obtained prior to treatment and at different points in the therapeutic milieu. Research analyses include imaging tumors over a range of magnifications from the molecular scale to the cellular and tissue structural scale, characterizing the tumor micro-environment, determining the unique “omic” fingerprints of tumor cells, and selecting more effective drugs for individualized patient care by investigating tumor cell heterogeneity. By melding clinical information with research findings from pancreatic cancer patients at OHSU, this integrated “living” database will reveal novel relationships between tumors, disease pathophysiology and treatment efficacy. Our aim is a unique body of information – an “Atlas” of pancreatic disease – which will inform treatment decisions for pancreatic cancer patients and help develop novel methods of earlier diagnosis and new therapeutics.

Work in the Brenden-Colson lab has focused on developing new pancreatic cancer models to improve our understanding of this disease and to provide novel platforms to test therapeutic agents. Using pancreatic cancer mouse models and avatar mice, the lab has been able to look at the differences among therapeutic treatment options and begin drug development. In addition, through collaboration with Organovo, Inc., a novel three-dimensional bioprinter is also able to generate complex pancreatic cancer tissue models with primary patient tumors and tissue. The unique technology will significantly enhance our ability to understand pancreatic disease and ultimately help change the way we view and care for pancreatic cancer patients.

There are two current clinical research projects. The first is an enhanced imaging study entitled “The Use of Dynamic Contrast Enhanced Magnetic Resonance Imaging (DCE-MRI) in the Management of Pancreatic Cancer.” This investigation will allow clinical researchers to

(continued on page 11)
examine the utility of DCE-MRI to identify early pancreatic cancer in high risk individuals. DCE-MRI is also being studied in conjunction with intraductal papillary mucinous neoplasms (IPMNs) to determine if the malignant potential of IPMNs lesions can be determined more reliably and provide precise information to help patient selection for surgical care. An associated project analyzes DNA present in pancreatic cyst fluid, which has the potential to be a valuable marker for distinguishing between malignant and benign neoplasms. In a third sub-study DCE-MRI will be used to help determine response to neoadjuvant therapy for pancreatic cancer. These results will contribute to the growing field of precision medicine in which patients will be treated not only according to their disease, but also their specific disease “fingerprint.”

Our second clinical study is a pilot surgical study that was developed at the AACR/ASCO Vail meeting for young investigators attended by Erin Gilbert, M.D. Current surgical care does not offer resection to patients with metastatic pancreatic cancer. However this paradigm is useful for other tumor types, such as colorectal metastatic diseases. With the advent of more active chemotherapy this paradigm may apply to pancreatic cancer. Our study is designed to determine if surgical care for isolated metastatic disease from pancreatic cancer coupled with newer chemotherapeutics will provide meaningful improvements in overall survival.

The Brenden-Colson Center for Pancreatic Care Steering Committee is comprised of four principle investigators with close collaboration to insure a linkage between the clinical and translational investigations. Dr. Brett Sheppard links his surgical expertise and clinical program with the laboratories of an additional three renowned Knight Cancer Institute researchers: Lisa Coussens, Ph.D., Joe Gray, Ph.D., and Rosalie Sears, Ph.D.

Dr. Lisa Coussens is focused on understanding the role of the tumor microenvironment in regulating cancer development and its response to therapy. She is also a Dream Team principle investigator on the recently funded Stand Up To Cancer (SU2C) grant evaluating several novel immune-based therapeutics in clinical trials and preclinical models with the goal of reprogramming the immunosuppressive microenvironment of pancreatic cancer to an immunostimulatory microenvironment, thus enabling tumor rejection and destruction.

Dr. Joe Gray is an internationally renowned cancer researcher who was a key driver in the early phases of the National Cancer Genome Atlas program to help identify precision treatment options for patients. He now directs the OHSU Center for Spatial Systems Biomedicine that is dedicated to determination of how changes within a patient’s DNA influence the three-dimensional organizations of proteins, cells and tissues to cause cancer progression. Dr. Gray and his colleagues are contributing to the development of a Pancreatic Cancer Molecular Atlas that will help form a foundation for improving cancer prevention, early detection and treatment.

Dr. Rosalie Sears has studied cancer for her entire career. Through her extensive work in the lab, her team is working to utilize their in-depth knowledge of molecular signaling to develop targeted drugs and drug combinations to someday be used in the clinical setting. In addition, Dr. Sears’ lab is using innovative strategies and technology with the hopes of identifying early-detection markers in the fight against pancreatic cancer.

For further information or questions regarding this effort please contact Brett C. Sheppard, M.D. at sheppard@ohsu.edu or 503-494-1502.
Surgical resident interest in international health is at an all-time high and will likely continue to grow given the simultaneous trend among medical students. This interest in international surgery complements the rural surgical focus of the OHSU general surgery residency, and has led to new and exciting partnership opportunities. A number of surgical residents have recently taken the “healing, teaching and discovery” mission of OHSU beyond the Portland city limits to follow their international interests.

In October, Libby Windell, D.O. and Alexis Moren, M.D., M.P.H. traveled with the Lane Haitian Relief (LHR) team in Belle Anse, Haiti, led by Dr. Snell Fontus, the U.S. team leader. They worked under the guidance of Karen Kwong, M.D. and Martin Schreiber, M.D. as the first residents involved in a long-standing relationship between LHR and Dr. Philippe of the Centre Medical Emanuel. Working with American and Haitian surgeons, Drs. Windell and Moren participated in more than 30 surgical cases over the course of 5 days and staffed a clinic that saw over 800. Cases ranged from hysterectomies to complex ENT cases to management of tropical infectious diseases. The LHR team travels to Belle Anse twice a year, and in April 2014 will be accompanied by Lucia Chou, M.D. and Lillian DiGiacomo, M.D.

Estin Yang, M.D. is currently studying and conducting independent research at the University of Cape Town, South Africa, as part of the Masters in Public Health program. Continuing an institutional relationship pioneered by Megan Frost, M.D. and Katrine Lofberg, M.D. under the faculty mentorship of Sanjay Krishnaswami, M.D., Dr. Yang has spent nearly 18 months in South Africa, completing coursework and research. His thesis focuses on South Africans undergoing appendectomies at public and private hospitals and compares their journey of care, from accessing hospitals, their operative management, and recovery at home. Dr. Yang is joined by his wife, Esther, who has been working in Cape Town as a classical music reviewer and program administrator for an ophthalmology NGO.

Mackenzie Cook, M.D. traveled to Dar es Salaam, Tanzania, along with James Peck, M.D. as part of the pilot partnership between Muhimbili University of Health and Allied Sciences (MUHAS) and the Alliance for Global Clinical Training, a non-profit that grew out of the Pacific Coast Surgical Association. This organization seeks to link representatives from American surgical programs with the faculty and residents of MUHAS. The partnership aims to support the education, development and academic activities of Tanzanian colleagues and seeks to achieve a year round presence by rotating American faculty and residents for shorter, recurring trips. During their one month stay in November 2013, Drs. Cook and Peck were amazed by the massive disease burden due to cancer and impressed by the dedication and intellectual curiosity of their host surgeons.

Although apprehension remains about residents operating overseas, especially in a location without a preexisting educational infrastructure, this proved to be of little concern in either Haiti or Tanzania. The education of the residents was overseen by OHSU faculty, and all remarked that the broad exposure to different pathology and making do with limited resources resulted in challenges that were satisfying to overcome. While resident cases are not yet counted towards ACGME requirements, there is interest in developing and expanding the curriculum. With an established curriculum, these rotations can offer surgical residents an immense amount of opportunity to advance their education and surgical skills, while providing a sustainable enterprise to foreign partners.

With any questions, please do not hesitate to contact Dr. Cook (cookmac@ohsu.edu), Dr. Moren (moren@ohsu.edu), or Dr. Yang (yange@ohsu.edu).
Resident Ski Day

It was a cold, dry winter in Portland and by the New Year Mt. Hood was at only 25% of normal snow levels. Lo and behold, the evening before Resident Ski Day brought the first snow storm of the season with enough fresh powder to keep surgery residents and interns in great spirits. The Resident Ski Day is sponsored by the Mackenzie Society. Please contact Jeri Elliott for information on contributing at elliJeri@ohsu.edu.
A Magical Evening

At last year’s Hunter Cup Golf Tournament & Dinner Auction, Thomas Lauderdale of Portland’s Pink Martini donated “An Intimate Evening with Thomas Lauderdale” as one of the fundraising items. On January 11, 2014 that event came to fruition at the beautiful home of Clifford Deveney, M.D. and Karen Deveney, M.D. Seventy-five people purchased tickets for the event which raised approximately $20,000 for VirtuOHSU.

The Doctors Deveney, hosts extraordinaire, pulled out all the stops. They served fabulous appetizers catered by SE Portland’s Otto’s Market and Dr. Karen Deveney personally made close to 200 stuffed grape leaves that were one of the major hits of the evening. They also served wines from their extensive personal cellar.

Thomas Lauderdale accompanies the Family von Trapp great-grandchildren, performing a number from their new album.

Thomas was among the first to arrive, flowers in hand for the Deveney’s. For the evening performance he had collaborated with friend and fellow musician Aaron Caughey, M.D., Chair of OB-Gyn at OHSU. Dr. Caughey was outstanding as the evening’s vocalist with a charming stage presence. His previous career with the San Francisco Symphony Chorus had earned him two Grammies and he now serves on the Oregon Symphony Board of Directors with both Dr. Cliff Deveney and Thomas Lauderdale.

One of the big surprises of the night was when the great-grandchildren of the Family von Trapp of Sound of Music fame arrived. Not surprisingly they are also singers and just happen to be finishing an album with Pink Martini. They sang several songs from the upcoming album and also sang the nostalgic Edelweiss. Thomas then invited the very talented Arthur Feidelson (Research Coordinator Robin Feidelson’s 12-year-old son) to play a piece on the piano. He wowed the crowd with his fine technique and poise. Arthur joined the evening’s performers for a final bow to a very enthusiastic audience.

After the performance was over, audience members referred over and over to the evening as “magical.” The intimacy of visiting with Thomas Lauderdale, the von Trapp’s and Dr. Caughey between beautiful performances made this a once in a lifetime experience.

OHSU Department of Surgery

Ninth Annual

Hunter Cup Golf Tournament & Dinner Auction

Royal Oaks Country Club
Friday, September 5, 2014

Contact Elena An (bradleye@ohsu.edu or 503-494-3074) for reservations and/or Pat Southard (southarp@ohsu.edu or 503-494-6093) in regards to Silent Auction donations or sponsorship. Deadline for participation is August 23, 2014.
Welcome New Interns to the Department of Surgery!

### Categoricals
- Jessica Ballou, University of Texas Southwestern at Dallas
- Brandon Behrens, University of Iowa
- Alicia Bonanno, University of South Carolina
- Raphael Byrne, University of Pittsburgh
- Daniel Davila Bradley, Escuela de Medicina Ignacio A. Santos
- Melissa DeSouza, Drexel University
- Bakri Kaakeh, University of Aleppo Faculty of Medicine
- Thomas Knowles, Creighton University
- Kristen Limbach, Case Western Reserve University
- Sabrina MacDuff, University of Rochester
- Rebekah Macfie, University of North Carolina Chapel Hill
- Sawyer Smith, OHSU
- Tarin Worrest, Georgetown University

### Undesignated Preliminary Interns
- Zinnat Begum, Dhaka Medical College
- Courtney Bell, OHSU
- Simon Brown, Medical University of South Carolina
- Ryan Coates, University of Utah
- Erica Swenson, Pacific NW University of Health Sciences College of Osteopathic Medicine

### Designated Preliminary Interns
- Hamed Ahmadi, University of Southern California ~ Urology
- Peter Cohn, Jefferson Medical College ~ Orthopaedics
- Nick Esmonde, OHSU ~ Plastic Surgery
- Justin Holt, University of Colorado ~ Otolaryngology
- Nichole Joslyn, University of Nevada ~ Plastic Surgery
- Akash Kapadia, University of Alabama ~ Urology
- Philipp Kupfer, OHSU ~ Oral & Maxillofacial Surgery
- Michael Lam, University of Vermont ~ Urology
- Shanjean Lee, OHSU ~ Orthopaedics
- Elizabeth Lieberman, OHSU ~ Orthopaedics
- Paula Means, Stanford University ~ Otolaryngology
- Peter Otlans, Boston University ~ Orthopaedics
- Travis Philipp, OHSU ~ Orthopaedics
- Nariman Saadat, OHSU ~ Oral & Maxillofacial Surgery
- Tyler Weaver, OHSU ~ Otolaryngology
The Surgical Log

Department of Surgery, OHSU School of Medicine

Department Chair
John G. Hunter, M.D., FACS, FRCS (Edin) .......... 503 494-7758

Division Chiefs
Abdominal Organ Transplantation ....................... 503 494-7810
Susan Orloff, M.D.
Cardiothoracic Surgery ................................. 503 494-7820
Howard Song, M.D., Ph.D.
Gastrointestinal and General Surgery .................... 503 494-6900
Robert Martindale, M.D., Ph.D.
Oral and Maxillofacial Surgery .......................... 503 418-1560
Julie Ann Smith, D.D.S., M.D.
Pediatric Surgery ........................................... 503 494-7764
Kenneth Azarow, M.D.
Plastic Surgery ................................................. 503 494-7824
Juliana Hansen, M.D.
Surgical Oncology ........................................... 503 494-5501
Kevin Billingsley, M.D.
Trauma, Critical Care & Acute Surgery ................. 503 494-5300
Martin Schreiber, M.D.
Vascular Surgery .............................................. 503 494-7593
Gregory Moneta, M.D.

Do you have questions, suggestions or newsletter submissions? Send them to Sara Szymanski, szymanss@ohsu.edu.

OHSU includes the schools of dentistry, medicine and nursing. OHSU Hospital and Doernbecher Children's Hospital; numerous primary care and specialty clinics; multiple research institutes; and, several outreach and community service units.

Change can't happen if we see things just one way. That's why diversity is so important to OHSU. 0413 (8)