



NEWS

ANESTHESIOLOGY AND PERIOPERATIVE MEDICINE

Spring 2016

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Jeffrey Kirsch, M.D.

Message from the chair: Transitions and traditions

I consider it an honor to prepare our trainees, faculty and staff to have a positive influence on patients today. It's equally gratifying to know that through education and research, APOM members will make a difference for patients in the future.

During this transition time of the year, we should all be proud of the outstanding group of graduating anesthesiologists who we have trained and mentored during their time at OHSU. This positive outcome would not have been possible without the tremendous support and education provided by our administrative, clinical and research staff. I truly believe that success in our training programs is highly dependent on the strength of our team, which includes all members of our department.

I am confident that each of our graduating residents and fellows will continue to grow as clinicians as well as help build our national reputation for excellence, based on their future success as clinicians and aptitude to be compassionate leaders in their professional and personal lives. I am also certain that they will be as generous with their time as all their OHSU mentors have been with them, and that they will mentor and support others to achieve excellence in the realm of anesthesiology and perioperative medicine. I hold this confidence because we have had so many of our graduates, faculty and staff make such a significant positive impact on patients and their local community. As a current example, I would like to congratulate Dr. Ansgar Brambrink, who recently accepted the position as Professor and Chair of Anesthesiology at Columbia University. It is my understanding that Ansgar will be the first long-term member of the OHSU APOM faculty who made the transition from faculty to chair of a major, internationally-recognized

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Haugen lecture highlights value in provider-insurer collaboration

The 2016 Frederick P. Haugen Lecture, a jointly sponsored event between the Oregon Society of Anesthesiologists and OHSU APOM, was held on Saturday, Feb. 20 at the Nines Hotel in downtown Portland. About 70 people, including numerous OHSU faculty and residents, attended to listen to this year's speaker: Thomas Leyden, MBA, director of the Value Partnerships Program at Blue Cross Blue Shield of Michigan (at right).

Leyden's presentation focused on the collaborative model between Blue Cross Blue Shield of Michigan and the physician and hospital communities. The Value Partnerships Program began in 1997 when a group of surgical providers from five hospitals began looking at variation in angioplasty procedures and treatment. Over time, the partnership has created substantial and sustained improvements in quality for Michigan residents while reducing costs.

Now, Leyden oversees more than 50 partnership arrangements with the provider community, including the majority of Michigan hospitals and over 18,500 primary and specialty care physicians. One of the partnerships is with the anesthesiology community. The programs Leyden described demonstrate the value of robust insurer-provider cooperation in improving patient outcomes. The return on investment for BCBS Michigan has been significant and has allowed these initiatives to be self-sustaining.

His 2016 Haugen Lecture, "Blue Cross Blue Shield Michigan's Hospital Collaborative Quality Initiatives: Achieving Transformative Performance and Improved Relations through Collaboration," provided valuable insight for how OHSU APOM can become more involved in OHSU's ongoing partnership and affiliation strategy.

The Multi-center Perioperative Outcomes Group (MPOG), of which OHSU's APOM has been a long-term member, is working with BCBS of Michigan to help provide data for their anesthesiology/surgery collaborative.



Above: Dr. Haugen instructing medical students at the University of Oregon Medical School

Frederick P. Haugen, M.D., was a national and regional leader in the field of anesthesiology and perioperative medicine. A 1935 graduate of the University of Oregon Medical School (precursor to the OHSU School of Medicine), he began his career as chief of anesthesia at Presbyterian Hospital in Philadelphia. In 1948, he returned to Oregon to become chief of the Division of Anesthesiology, a post he held until his retirement in 1970, at which time he also secured departmental status for anesthesiology. Dr. Haugen passed away in 1987. That same year, the OSA initiated the Haugen Lectureship to bring noted anesthesiologists to Oregon to "advance the art and science of anesthesiology."



Image(s) courtesy of the Wood Library-Museum of Anesthesiology, Schaumburg, Ill.

In memoriam

Brandon Allen, M.D., died April 18, at age 48. Dr. Allen was an APOM residency program graduate.

Rex Underwood, M.D. '54, died Feb. 19, at age 89. Dr. Underwood was a 1958 APOM residency program graduate and a former OHSU APOM faculty member.



Alumni corner: Angela Kendrick, M.D.

Angela Kendrick, M.D. R '87, retired from OHSU nearly two years ago, but she has not slowed down. In fact, one might say she's speeding up. Dr. Kendrick recently participated in her fourth marathon and has been training for a personal best. She's pictured below running in marathon number three in 2015 in Asheville, N.C.

Medicine runs (no pun intended) in Dr. Kendrick's family. Her husband Brad Bergquist, M.D., is a neurosurgeon who also recently retired. They are enjoying more time as a couple. Her daughter, Savannah Bergquist, is a Ph.D. candidate at Harvard; Angela and Brad have traveled to watch Savannah in the Boston Marathon. Her son, Curtis Bergquist, is a fourth-year medical student here at OHSU and president of his class. He'll pursue residency in cardiothoracic surgery at University of Michigan. Curtis's wife, Janice Kim, M.D., is a 2010 graduate of the APOM residency program.

Dr. Kendrick joined the faculty at OHSU after completing her residency in 1987. She was a valuable member of the pediatric anesthesia team and helped APOM develop its acupuncture service in the Comprehensive Pain Center. In 2014, she received the Clinical Service award at the second annual Women's Leadership conference.

In addition to running, Dr. Kendrick enjoys outdoor activities like skiing, snowshoeing and kayaking – often accompanied by her German shepherd dog.

She still receives her health care at OHSU and has many fond memories of her time with the institution. "I remember the real joy of working with children and making a sincere connection with kids and their families," she said. Memories like that will last a lifetime.



Advancing quality and patient safety initiatives in APOM

In order to advance overall quality and patient safety, APOM has focused its current efforts in three areas: increasing the department's culture of safety, decreasing surgical site infections and increasing medication safety.

Increasing the culture of safety

To better measure APOM's current culture of safety and to identify ways to improve, the Continuous Quality Improvement (CQI) team is measuring the comfort level of staff when reporting safety issues, how comfortable learners are with the process of reporting prior to starting anesthesia residency and how resident reporting preparedness changes as they progress. Information gathered in this study will help identify future improvements and the effectiveness of current interventions.

Next month, the department will publish its first APOM Quality Improvement and Patient Safety newsletter. In addition, to continue to ensure that all incident reports are reviewed, responded to and acted upon in a timely manner, the Incident Reporting Processing has been updated. Finally, APOM is working on fostering a more collaborative, bidirectional relationship with the CQI committees in OHSU's ICUs, pain centers and pre-operative clinics.

Decreasing surgical site infections

Among other things, the APOM CQI Team has dedicated more effort to increasing compliance with The Joint Commission and Centers for Medicare and Medicaid Surgical Care Improvement Project (SCIP) initiative. This year, the goal was to achieve a 98% Compliance Rate in administering antibiotics one hour prior to surgical incision. APOM has improved these processes to ensure that providers are aware of cases that were deemed non-compliant the day before, thereby giving providers an opportunity to fix charting errors and giving the department an opportunity to track reasons why cases were non-compliant. Prior to the process change, APOM had a compliance rate of 92 percent. After the first month, compliance was at 97 percent, and today compliance averages over 99.4 percent.

APOM is also heavily involved with a multidisciplinary project to improve glycemic management in our adult, surgical patient population in order to decrease the likelihood of a surgical site infection.

Finally, the department is also in the midst of a department-level hand hygiene campaign. Teaming up with OHSU's Performance Excellence (OPEX) initiative and Infection Control, the World Health Organization's Five Moments will be adapted so that it is more applicable to the anesthesia environment. In order to make hand sanitizer more convenient, the department has evaluated anesthesia work areas and thoughtfully standardized the placements of sanitizers and stethoscope wipes. Lastly, faculty and staff will have the opportunity to attend a Grand Rounds lecture, in collaboration with Infection Control, to re-learn proper hand hygiene.

Increasing medication safety

When APOM looked at 2015's medication safety indicators, it became apparent that many incident reports were due to drug errors or near-misses relating to drug-errors. In order to address this issue, the APOM CQI Team is revising the Drug Error Recommendations Policy; making pump programming a residency educational competency and requiring that residents ask their attending to double-check medication pumps during their first year of residency; working to eliminate or decrease drug waste by developing a "standard pack" that is to be brought during patient transport; and creating a standard medication list, which includes proper dosing. These reference sheets are already posted on anesthesia carts, the department Bridge site and in Ellucid.

These quality and safety efforts would not be possible without the efforts of the APOM CQI leadership team. Thank you to Michele Noles, M.D., Ed Kahl, M.D., Alyssa Lorzano, MPH and Matt Schreiner. To be involved, contact Alyssa Lorzano at lorzano@ohsu.edu.

Welcome new staff



Mike Kampp comes to APOM from Department of Emergency Medicine where he spent eight years as a researcher focused on clinical trials. He holds a Bachelor of Science from Oregon State University and has completed post-baccalaureate coursework at Portland State University. In APOM,

Mike will be working on clinical study coordination and will be assisting researchers with regulatory/IRB procedures. Mike is an avid sports fan who loves cooking, hiking and restoring vintage furniture.



Mandy Lee joins APOM as the new fiscal supervisor. Although she was born in Hong Kong, Mandy moved to Portland as a child along with her large family of seven siblings. She attended Portland State University where she studied accounting and worked for over a decade at Kaiser Permanente.

She enjoys spending time with her college-age daughter and is an avid reader, especially books by Patricia Cornwell and Ann Rule.



Alyssa Lorzano, MPH, joins APOM as a quality improvement and patient safety manager. A native of Guam, Alyssa moved to Portland to attend the University of Portland where she earned both her undergraduate and graduate degrees. Prior to working in APOM, Alyssa

was a research coordinator in the Department of Orthopaedics and Rehabilitation at OHSU and spent a year creating a quality and compliance program for a new hospital in Guam. She enjoys restaurants and food carts, hiking and Crossfit.



Steven Meglio recently left the U.S. Army where he served as a combat medic. He joins APOM as a medical assistant. Originally from Antioch, Calif., he relocated to Portland from Kentucky. Outside of work, Steven enjoys outdoor activities like hiking, wakeboarding and

spending time with his family, most especially his three-year-old son Landen and his three-month-old daughter Riley.



Mandi Mizuta is a Texas native who considers Portland home. She joins APOM as education coordinator. She has a bachelor's degree in English and comparative religions and an interdisciplinary master's degree in social science. Her professional experience in higher education

includes coaching, academic writing/editing, student accounts, financial aid and teaching. In her free time, Mandi can be found hiking, exploring Portland's food scene and watching her beloved Baylor Bears with her husband, Jon, and sweet rescue dog, Griffin.

Autumn social 2015

The APOM Employee Recognition Team hosted its second annual Autumn Social in November 2015.



More than 200 department members and their partners gathered in The Sentinel Hotel's Grand Ballroom and enjoyed an evening of dinner and dancing. The popular photo booth and props made a return appearance this year, including some special APOM-specific props, like a stethoscope for our clinical colleagues, and the plush equivalent of lab mice for our research contingent.

Special thanks to Jennifer Young and Debi Stabler for chairing the event. The 2016 Autumn Social has been set for Saturday, Oct. 15.

Photo left-to-right: Amy Miller Juve, assistant professor and director of education, Debi Stabler, education manager, Dawn Dillman, associate professor and associate residency program director

Holiday giving 2015: Thank you for your generosity

During the 2015 holiday season, APOM sponsored two families (four adults and seven kids) and collected clothes, shoes, coats, toys and household supplies and gift cards totaling \$330 for each family.

APOM also donated toilet paper (Costco size), Kleenex, hand lotion, cleaning supplies and gift cards totaling \$200 to seniors in need.

Pictured: Julie Heironimus and Jennifer Young delivering gifts to the Salvation Army.



Message from the Chair (continued from page 1)

academic department of anesthesiology. We should all be proud for Ansgar – this is a well-deserved accomplishment. I would encourage us to also take pride in knowing our work at OHSU provided him the experience and mentorship necessary to reach this level of achievement. As with the training trajectory of our residents and fellows, progression in an academic career requires tremendous personal and community investment.

For the graduating residents and fellows, we look forward to hearing from you after your departure, even if it is just to say hello. However, we also love to hear about your subsequent adventures in providing outstanding patient care and the impact that you are having as a leader in your practice, hospital and community. Communication with alumni adds value to our role as educators, mentors and staff in an academic anesthesiology department, and ensures we are always on a path of continuous improvement.

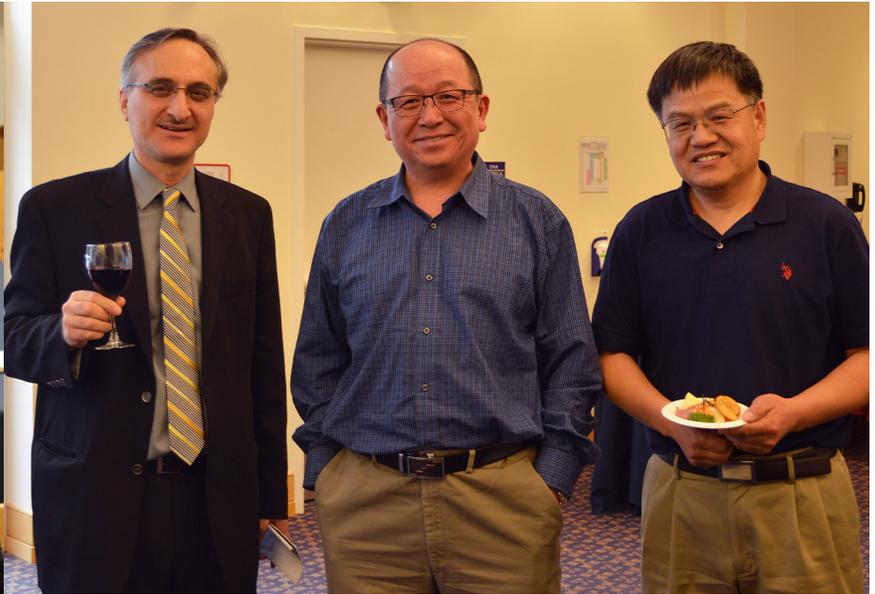
We all should be energized by our departmental goals in the coming year. These include:

1. Allow each of us to enjoy a healthy work/life balance.
2. Excel in providing our patients with the absolute best perioperative and pain management outcomes (Perioperative Surgical Home efforts and ASPIRE will continue).
3. Facilitate discovery of new knowledge through intense effort in both clinical and bench research that will help our patients achieve better outcomes in the perioperative period or in managing their pain.
4. Develop a mechanism to improve the overall patient experience in the perioperative and pain clinic setting.
5. Achieve recognition by OHSU Healthcare for being leaders in value analysis and cost containment.
6. Critically evaluate our accomplishments with OPEX and adjust our approach to achieve previously planned outcomes.
7. Engage in efforts to improve population health through initiatives in our Comprehensive Pain Management Center.
8. Engage in efforts to help OHSU Partners continue its strategy for affiliation with other health systems and providers.

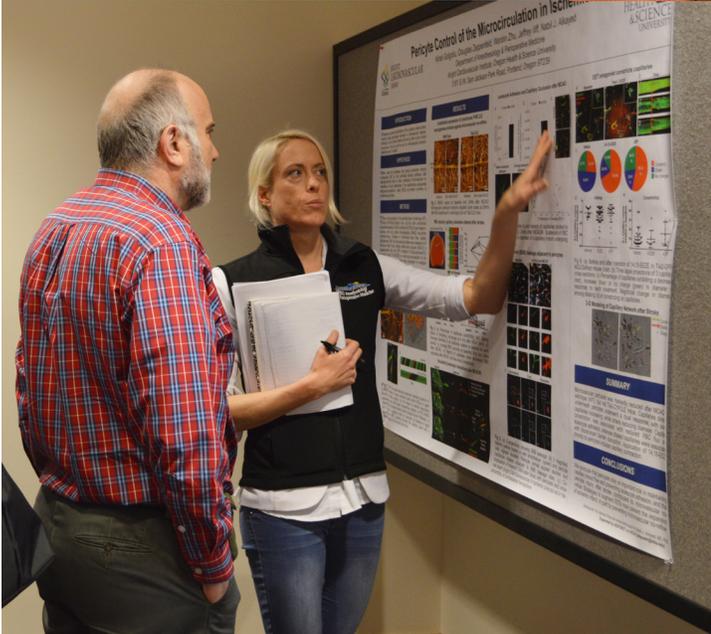
The breadth of expertise in our department will help us excel in our new world that needs to focus on population health and bundled payments. I am extremely proud of our departmental effort to help OHSU control the cost of care. We have all of the tools and expertise necessary to devise better ways of caring for our patients that will improve their outcomes, improve patient satisfaction and decrease waste. I truly believe that the viability of health care in America is dependent on our ability to be serious in this effort and accept only one outcome: success. Thank you for being part of the journey.

Photo Essay: Fifth Annual OHSU Stroke Conference

See page 11 for more information.



Pictured, clockwise
Above: Dr. Wenri Zhang
Drs. Nabil Alkayed, Jim Cao and Zu Yuan Qian
Dr. Miriam Treggiari
Jordan Cusick and Janna Higgins
Dr. Martin Pike and Kirsti Golgotiu



Welcome new faculty and fellows



Chidi Ani, M.D., instructor and regional anesthesiology fellow

Dr. Ani attended the University of Kansas School of Medicine and completed his residency at the University of Kansas, Wichita. He is passionate about pain and regional anesthesia and enjoys teaching and medical research.

Outside of work, Dr. Ani enjoys programming computers, designing smart phone apps, playing soccer and playing guitar.



Heather Carefoot Burch, M.A./M.S., instructor and CRNA

Previously Heather worked in the Bay Area at Kaiser Permanente. She now lives in Portland with her husband, also a CRNA, and together they enjoy an active outdoor lifestyle which includes camping, boating,

skiing, hiking, biking, running, yoga and kite-surfing. They also enjoy Portland's "amazing" restaurants, wineries and breweries.



Caitroina (Cat) Buist, Psy.D., assistant professor

Dr. Buist is a Portland native who attended college and graduate school in California and Colorado, ultimately earning her Psy.D. from Our Lady of the Lake University in San Antonio, Tex. She completed a two year practicum in behavioral

medicine at Brooke Army Medical center, a medical psychology internship at the Dallas, Texas VA, and a post-doc at Duke University before returning to Portland. Dr. Buist has worked for 11 years as the clinical director of the Interdisciplinary Pain Program at Progressive Rehabilitation Associates.

Dr. Buist serves as the Chair of the Oregon Pain Commission. She is actively involved with the Oregon Coalition for Responsible Use of Medications and the Portland Tri-County Prescription Opioid Safety Coalition Coordinating Committee to address the opioid epidemic in Oregon. She is a member of the Back Pain Lines Reorganization Task Force to help Medicaid patients access evidence-based treatments for chronic low back pain. She is an active member of the Pain Interest Consortium, Pain

Interest group and is on the Steering Committee for the Pain Society of Oregon.

Dr. Buist and her husband have two children and together they enjoy hiking, camping, skiing, dancing, gardening and travel. She has a strong OHSU connection – her parents were both OHSU faculty.



Jennifer Erkenbeck, BSN '09, MSN, instructor and nurse practitioner

Jennifer is a native Oregon who worked for over seven years at Legacy Emanuel Hospital as a critical care nurse in the ICU and ER. As an alumna of the School of Nursing, Jennifer has long wanted to work

at OHSU because of the "learning environment, opportunities for growth, supportive atmosphere and patient population." She's a recent newlywed who spent her month-long honeymoon in South America. She loves to hike, bike, kayak and explore Portland breweries.



Tim Gerke, M.N. '15, instructor and CRNA

Tim recently completed nurse anesthesia training at OHSU. Prior to APOM, Tim worked at the VA Portland Health Care System as an ICU nurse. He first became interested in anesthesia while participating

in medical mission trips to Haiti and the Dominican Republic. Together with his wife, he has founded two outreach programs in Port-au-Prince, which provide medical outreach for indigent Haitians and food and shelter to orphans in need. Tim also enjoys hiking, camping, traveling, gardening and golf.



Nathalie Lunden, M.D., assistant professor

Dr. Lunden attended New York Medical College and completed her residency in 2014 at the University of California San Diego. She specializes in interoperative anesthesia and regional nerve blocks for acute pain. In her free

time, Dr. Lunden enjoys hiking and camping with her chocolate lab, cooking and trying new cuisines.



Thierno Madjou Bah, Ph.D., M.Sc., postdoctoral researcher

Dr. Madjou is from Halifax, Nova Scotia, Canada and received his postdoctoral degree from the University of Montreal in 2010. He has been currently working as a postdoctoral fellow in Dr. Semba’s lab at Dalhousie

University in Nova Scotia, studying the impacts of chronic sleep restriction on autonomic functions in collaboration with Dr. Benjamin Rusak. Dr. Madjou’s long term goals are to pursue a career in translational research in a vibrant research environment such as OHSU. He will be working with Dr. Jeff Iliff, investigating how sleep disruption after TBI may impair glymphatic function and promote neurodegeneration. In his spare time, Dr. Madjou enjoys spending time with his three wonderful children, and in his off-hours he also enjoys working as a training associate at World Financial Group, educating individuals, families, and business owners on how to build a solid financial future.

spinning, rock climbing, horseback riding and arts and crafts of all kinds.



Marquitta Smith, M.D., postdoctoral researcher

Dr. Smith is from Red Springs, N.C., and received her postdoctoral degree from Meharry Medical College in Nashville, Tenn. in 2014. Most recently, she worked as a postdoctoral fellow in Dr. Ben Bahr’s lab at the University of

North Carolina, and her research interests involve studying the molecular mechanisms that lead to neurodegenerative diseases such as Parkinson’s disease and Alzheimer’s. Dr. Smith will be working with Dr. Jeff Iliff, studying traumatic brain injury and how impairment of glymphatic system function after TBI may accelerate the development of Alzheimer’s pathology. In her spare time, Dr. Smith enjoys painting, horseback riding, gardening, hiking with her dog Blackberry, and finding new thrilling adventures.



Linda Mayeda, M.N. '15, instructor and CRNA

Linda is a recent graduate of the nurse anesthesia program at OHSU. Prior to APOM, she worked as a nurse in San Diego, Calif., at Sharp Memorial Hospital, where she cared for neuro, trauma and cardiac patients, and as an ICU

unit supervisor in Ukiah, Calif. Linda enjoys weekend adventuring with her husband, a law student at Lewis and Clark College. She also enjoys outdoor activities like hiking and paddle boarding as well as photography.



Ann Wood, M.S., PA-C, instructor and physician assistant

Ann is native Oregonian who comes to APOM from the trauma/general surgery department at Legacy Emanuel Hospital. She said, “I learned that I enjoy the complicated nature of caring for critically-ill patients and helping them and their families through

difficult times, which led me to pursue a specialty in intensive care.” She enjoys stand up paddle boarding, cooking and travelling across the U.S. with her husband and dance partner for West Coast Swing Dance competitions.



Sydney Rose, M.D., instructor and chronic pain fellow

Dr. Rose attended Weill Cornell Medical College of Cornell University and completed her residency in 2015 at New York Presbyterian Hospital. She joined APOM in the summer of 2015.

Dr. Rose is passionate about anesthesiology because she views it as a hands-on, humanistic field in which she gets to interact with people from all walks of life. Outside of work, Dr. Rose loves spending time with her husband, two children and three dogs. She enjoys skiing, running,

Do you have items of interest, honors, awards, announcements or newsletter ideas?

Send them to apompeople@ohsu.edu.

Diversity efforts aim for employee satisfaction and engagement

Because diversity and inclusion are central to OHSU's core values, the Department of Anesthesiology and Perioperative Medicine has begun implementing numerous diversity initiatives as part of on-going efforts to improve employee satisfaction.

The department has completed over 70 percent of the milestones set out in its individual Diversity Action Plan in 2015. Diversity Action Plans are intended to guide the efforts of all OHSU community members and campus units. Recent efforts include offering trainings on family medical leave and unconscious bias; better communicating existing resources, like employee resource group events, within the department; and consistently conducting "stay" and "exit" interviews to better understand turn-over as it relates to creating and maintaining a diverse and satisfied workforce. Using data from these interviews, the department's next step is to set future recruitment and retention goals.

APOM has also hosted volunteer events with organizations like the Oregon Food Bank and supported departmental teams for events like the Stroke Walk. In addition, the department was an official sponsor of OHSU's Black History Month this year.

The department has also set a goal to become a leader in medicine and research pipeline programs. To that end, on Feb. 24, the department participated in the Portland Workforce Alliance's NW Youth Career Expo (pictured below). The 12th annual fair brought more than 5,000 Oregon high school students together to learn about the vast variety of career opportunities in the state and region.

The APOM booth gave out take-away items and provided students with information about CRNA, PA and M.D. careers. In addition, faculty and staff gave student hands-on opportunities in simulation. Special thanks to Michael Seropian, M.D., FRCPC, clinical professor of anesthesiology and perioperative medicine, Trenell A. Croskey, M.S., simulation operation manager and Joan Cossey, anesthesiology and perioperative medicine office manager for making this event a success.

Plans are underway to further expand APOM's participation in pipeline programs through a resident-high school student mentorship program and continued opportunities for summer student research stipends.



APOM Research notes

Fifth Annual OHSU Stroke Conference

The 5th Annual OHSU Stroke Conference was held at Doernbecher Children's Hospital on March 11, 2016, hosted by Nabil Alkayed, M.D., Ph.D., James Metcalf Chair of Cardiovascular Medicine, professor and vice chair for research, Department of Anesthesiology and Perioperative Medicine and the Knight Cardiovascular Institute.

The keynote address – “Role of Microglial/Macrophage Responses after Stroke: A Double-edged sword?” – was given by Jun Chen M.D., Ph.D., Richard King Mellon Professor of Neurology and Pharmacology & Chemical Biology and Director of Brain Disorders and Recovery at Pittsburgh Institute. Following Dr. Jun Chen's presentation, 11 OHSU research faculty presented their work, including Dr. Miranda Lim, Dr. Justin Cetas, Dr. Ines Koerner, Dr. Eric Schnell, Dr. Gary Nesbit, Dr. Helmi Lutsep, Dr. Wayne Clark, Dr. Miriam Treggiari, Dr. Lisa Silbert, Dr. Julie Saugstad and Dr. Stephen Back.

The all-day conference brought clinicians and scientists together to share their work on brain injury and discuss topics including stroke, traumatic brain injury and Alzheimer's disease. Additionally, the annual conference provided a great opportunity for trainees, including students and postdoctoral fellows to give an update on their research projects by presenting their posters during the presentation session. Colleagues learned about each other's work, formalized collaborative relationships and provided feedback to their colleagues about their research projects.

Grant award update

The grant, “Investigating the Neural Circuits of Spinal Cord Stimulation,” submitted by Andrei Sdrulla, M.D., to the Foundation of Anesthesia Education and Research has been approved for funding. This is a mentored career development grant application Dr. Sdrulla has been working hard on developing with his mentor Mary Heinricher, Ph.D., associate dean for basic research and vice chair for research in neurosurgery.

Along the way, Dr. Sdrulla has come up with very innovative ideas and hypotheses related to the mechanisms underlying the analgesic effects of spinal cord stimulation, and he used cutting edge (and very difficult) methodologies to test these hypotheses and generate extremely interesting and novel data, which the reviewers clearly appreciated. Congratulations to Dr. Sdrulla, to his mentor and the Pain group.

Additionally, our CA-2 resident Austin Peters, M.D., also received word that his application titled “Modulation of Post-Traumatic Neurogenesis and Recovery by Ketamine” has been approved for funding. This is a mentored Research Fellowship Grant, and his mentor on the application is Eric Schnell, M.D., assistant professor.

Dr. Schnell is another example of an outstanding anesthesiologist-scientist, who has successfully developed a stellar research program and is now giving back by helping mentor his junior colleagues. The grant will support Dr. Peters's research training and development as an Oregon Scholar, working in Dr. Schnell's lab and pursuing didactic training as part of the Human Investigations Program. Dr. Peters has impressed us with how quickly he mastered basic science research methods and concepts and how well he conducted his research. This award is testament to his effort and the quality of his work.

Department of Defense award

The Department of Defense (DoD) has approved funding for a multi-center grant titled “Randomized Trial of Early Hemodynamic Management of Patients Following Acute Spinal Cord Injury - TEMPLE” submitted by Miriam Treggiari, M.D., Ph.D., MPH. This is a collaborative effort between APOM (Dr. Treggiari, PI) and the Department of Surgery/ Division of Trauma at OHSU (Drs. David Zonies and Martin Schreiber), with OHSU as the coordinating center and four other Level One trauma centers participating (University of Maryland, University of Washington, University of Cincinnati and University of Pennsylvania). Additionally, Vanderbilt University and University of Arizona agreed to participate and approved the study protocol. The study will determine optimal blood pressure in patients with acute spinal cord injury (SCI) during the early stages in the intensive care unit. The DoD noted the importance of the study and the critical need to optimize critical care for SCI victims.



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Q & A with Jordan Graeme

How can a chiropractor help my lower back pain?

Chiropractors use a biomechanical approach to treat pain, meaning they look at how your body moves and help you restore function and strength to the areas that are not moving properly. Ironically, many injuries can happen because of a sedentary lifestyle:

For example, a lot of us have sedentary desk jobs, become restricted in our movement, and develop pain. Chiropractors can also collaborate with physical therapists and pain management experts to help you manage back pain or other conditions including neck pain, herniated discs, migraines and sports injuries.



Jordan Graeme, D.C., M.S.H.N.F.M.
OHSU Comprehensive Pain Center
Accepting new patients: Yes
Insurance: Most major health plans
Appointments: 503 494-7246

Location: OHSU Center for Health & Healing, 3303 S.W. Bond Ave., fourth floor, Portland OR 97239

The OHSU Comprehensive Pain Center offers many treatment options for people with acute and chronic pain. Learn more at <http://www.ohsu.edu/xd/health/services/pain-center/>