Proud of our past, optimistic for our future

Stephen Robinson, M.D.
PROFESSOR AND INTERIM CHAIR
ANESTHESIOLOGY AND PERIOPERATIVE MEDICINE

Spring is about renewal and moving forward; it’s also a time for reflection.

Several of our valued faculty are transitioning to new opportunities. Among them are Drs. Jeffrey Iliff and Miriam Treggiari, vice chairs, respectively, of basic science and clinical research. Dr. Iliff has left for the University of Washington and Dr. Treggiari is going to Yale. Both have defined excellence and innovation and led the growth of our APOM research enterprise. I am grateful for their contributions; we will miss them.

Dr. Jeff Kirsch leaves this month for a top leadership role at the Medical College of Wisconsin after 16.5 years at OHSU, 15.5 as our chair. He has been a revered leader and trusted friend who greatly expanded and shaped this department into what it is today. OHSU granted Jeff the title of chair emeritus, recognizing his accomplishments and contributions across the education, research and clinical missions. We are committed to building on his legacy.

I am proud of our vice chairs, faculty, staff and trainees who have pulled together through this year of significant transition. I also want to thank School of Medicine Dean Sharon Anderson and her leadership team, especially Drs. Atif Zaman and Dan Marks and Irene Barhyte, chief financial officer for the school.

They have worked closely with us in support of our research program including the recruitment of a new basic scientist and the recruiting of clinical faculty. All of these efforts will allow us to continue to provide outstanding care and better protection of research and education time to meet our missions. Meanwhile, a national search for our permanent chair is expected to be completed by December.

Excellence remains a focus for APOM as you will read in this newsletter:

• For the first time, the APOM education program was ranked by U.S. News & World Report in graduate education (#21).

• Our researchers are driving discovery to improve peri-operative care for patients, including launching the PREVENT 2 Clinical Trial, led by Dr. Treggiari and co-PI Dr. Mike Aziz, to evaluate the efficacy and safety of specially equipped endotracheal tubes.

• Our clinical faculty and staff just helped complete the successful move into the brand new Center for Health and Healing 2 on South Waterfront.

Congratulations to our graduating residents and fellows who are going on to the next stage of their careers as well as the graduating M.D. students we have helped to train.

A special acknowledgment to one of my mentors and dear friend Dr. Betty Thompson, whom we presented with a Lifetime Achievement Award shortly before she died in April. She was a pioneer and stalwart presence in our field and across OHSU.

And many thanks to each of you for your continued investment and support.

Dr. Jeff Kirsch, APOM professor and chair emeritus, and Dr. Kim Mauer, clinical director of APOM’s Comprehensive Pain Center, were honored June 6 by the OHSU Professional Board for “Outstanding contributions to innovation in new models of clinical care & interdisciplinary teams.” Said Dr. Paul Flint, Professional Board chair, ‘As leaders of the Comprehensive Pain Center, you have created a model of pain care for other academic medical centers across the country to follow.’

Dr. Kirsch, chair of APOM from 2002 to 2018, leaves OHSU in June for Medical College of Wisconsin in Milwaukee. He will serve as professor of anesthesiology and perioperative medicine; associate dean for faculty affairs in the College of Medicine; senior medical director of perioperative services at Froedtert Hospital, and vice chair of faculty development in anesthesiology. He and his wife will be 90 minutes by train from their daughter, son-in-law and grandchildren in Chicago.
APOM education celebrates successes

Dawn Dillman, M.D.
PROFESSOR AND VICE CHAIR FOR EDUCATION

Anesthesiology and Perioperative Medicine has been quietly building a powerhouse education group, launched under the chair leadership of Dr. Jeff Kirsch. The group has a long history of innovation and focus on learners at all levels, including many recent wins.

U.S. News & World Report ranked the program #21 in the country, recognizing innovations including:

- A combined residency and critical care medicine fellowship or research fellowship, launched by Christopher Swide, M.D., former residency program director, and Miko Enomoto, M.D. and carried on by Emily Baird, M.D., Ph.D. and Ryan Fink, M.D.
- The first anesthesia program in the country to employ a doctoral-level educator. Amy Miller Juvé, Ed.D., ensures excellence in education curricula and faculty development.
- A supplemental curriculum enhances the standard curriculum in areas that the resident has interest—the ExCEL (Extra-Curricular Education and Learning) curriculum. Tracks include Advocacy, Leadership, Education Theory, Acupuncture, Career Development, and Global Health.
- Creation of the APOM Academy and colleges that facilitate peer-to-peer education and community building. Sessions focus on wellness, Problem Based Learning Discussions and leadership.
- Implementation of Entrustable Professional Activities that are recently created and being piloted at 10 institutions across the country.
- Conversion of the advising system to a coaching system this year, including training of faculty coaches to help residents create and implement their own learning plans.
- Home for the Anesthesia Toolbox, an electronic collection of education resources used by 80 programs internationally. Glenn Woodworth, M.D. is creator and editor in chief.
- A focus on diversity, recently presented nationally:
  » Physicians belonging to groups under-represented in medicine currently comprise 29% of the APOM residency, compared to 16% on average in anesthesiology programs nationally.
  » The entering residency class is 50% women compared to 34% nationally.
  » Residents and faculty recently collaborated with Willamette University to support minority undergraduate students interested in medicine.

Subspecialty program excellence:

- The regional fellowship obtained Accreditation Council for Graduate Medical Education (ACGME) certification, recognizing its excellence. Only a third of programs nationally are certified.
- All the fellowship programs (pediatric anesthesiology, regional anesthesia, pain medicine, critical care medicine and cardiothoracic anesthesia) filled in a highly competitive year for applicants.
- Fellows had a first annual all-fellow retreat focusing on career development.
- Fellows also had the opportunity to practice OSCEs as required for board certification.

Teaching medical students:

- Chidi Ani, M.D. became Acute Care College Lead.
- Tomás Lazo, M.D. became a Clinical Skills Lab (CSL) instructor for M1 and M2 students.
- As a pilot program, a CSL group meets in the hospital. Sixteen APOM members led 10 groups this year.
- 21 APOM residents and faculty were preceptors for 39 M1 and M2 students.

Investment in global health:

- Medical students, residents and fellows were supported for trips to Peru, Guatemala and India with faculty this year.
- Missy Knight, M.D. was one of only seven in the country selected for the Resident International Anesthesia Scholarship by the American Society of Anesthesiology Global Humanitarian Outreach Committee.
APOM research mission
advancing human health

The PREVENT 2 Clinical Trials, led by Dr. Miriam Treggiari, vice chair for clinical research in APOM, and co-PI Dr. Mike Aziz, launched in April and could change the standard of care for patients across the medical profession. The trial will compare two types of breathing tubes:

• A standard tube currently used in most emergency rooms and hospitals around the country.

• A specialized tube that’s designed to reduce the risk of fluids leaking from the mouth and throat into the lungs, thus reducing the risk of pneumonia.

The 36-month, “Randomized Trial of Endotracheal Tubes to Prevent Ventilator-Associated Pneumonia – Prevent 2 Study” will enroll a 1,074 hospitalized patients, with half receiving the standard tube and half receiving the specialized tube. Patients will be followed for six months after they had a breathing tube. Known as a randomized controlled trial, the study will measure the benefits and risks resulting from the specialized tubes compared to the standard tube.

The specialized tube includes a special balloon and an additional port that allows fluids to be suctioned from the throat and mouth. It's designed to reduce the risk of pneumonia, the most common infection among sick patients in intensive care units. Pneumonia can lead to more time on a breathing machine and may increase the risk of death.

Upcoming studies for obstetric patients

Dr. Brandon Togioka received a Collins Medical Trust grant for his proposal, “Multiple Ascending Dose to Study the Safety, Tolerability, Pharmacokinetic Effects of Intraperitoneal Chloroprocaine.” He has also been awarded a grant by Braun for proposing an investigator-initiated trial titled, “Comparison of Clorotekal® and Bupivacaine for Short Obstetric Surgery.”

Advancing the understanding of Alzheimer's disease

Dr. Julie Saugstad, professor of anesthesiology and perioperative medicine, received a new RO1 grant award titled, ‘Establishing MicroRNA Biomarkers for Diagnosing Alzheimer’s Disease & Predicting Progression’. This grant expands her previous UH2/UH3 funded work in which she and her collaborators discovered and validated microRNA biomarkers for Alzheimer’s disease in cerebrospinal fluid.

The aims of this new R01 grant are to 1) establish the utility and short-term stability of miRNAs as Alzheimer’s disease biomarkers in plasma; 2) establish the predictive values of plasma miRNAs for Alzheimer’s; and 3) examine the specificity of Alzheimer’s disease miRNA biomarkers vs. other dementias.

Dr. Saugstad’s scientific success and contributions continue with the publication of a new manuscript titled, ‘Validation of MicroRNA Biomarkers for Alzheimer's Disease in Human Cerebrospinal Fluid’ that has been recently published in the Journal of Alzheimer’s Disease.

Transitions in APOM research

On Aug. 1, Dr. Treggiari will join the faculty in the Department of Anesthesiology at Yale University where she will serve as vice chair for clinical research. She is committed to the success of the ongoing studies at OHSU and will ensure their completion during her transition. She shared her gratitude to Dr. Jeff Kirsch, who recruited her, for his support during her tenure at OHSU.
New heart-kidney signal identified

Michael Hutchens, M.D., M.A., associate professor of anesthesiology and perioperative medicine, and a critical care physician at the VA Portland Health Care System, and co-author Mahaba Eiwaz, published research in February shedding new light on hormonal signaling between the heart and kidney during acute cardiac illness that can influence kidney function.

If clinicians know what signals are being sent at the time of hospital admission for acute cardiovascular disease, such as cardiac arrest or myocardial infarction, it might become possible to interrupt the signals and stop the later development of kidney disease.


Cardiovascular disease is one of the most common reasons people land in the hospital, and these patients often experience acute cardio-renal syndrome in which the kidneys don’t receive enough blood. ACS can lead to chronic kidney disease, dialysis or transplant. Even though advanced therapies in rapidly restore critical blood flow to the kidneys while in the hospital, ACS can still occur and the incidence is rising.

“Identifying the molecular signals specific to heart injury and received in the kidney could lead to novel therapy or prevention for ACS, and get people out of the hospital sooner,” Dr. Hutchens said.

New study reports risks of electromagnetic interference

Dr. Peter Schulman’s article, “Electromagnetic Interference with Protocolized Electrosurgery Dispersive Electrode Positioning in Patients with Implantable Cardioverter Defibrillators,” was published in the journal Anesthesiology.

The article was featured on the cover, published with an accompanying editorial and highlighted in a podcast. This work describes the risk of electromagnetic interference in patients with ICD and standardized positioning of the dispersive electrode or with the use of an underbody dispersive electrode.

The study showed a non-negligible occurrence of EMI for non-cardiac surgery above the umbilicus and for cardiac surgery with the use of the underbody dispersive electrode.
Celebrating the teamwork that the North OR inspired

As OHSU grows, the old is giving way to the new. The OHSU community, including APOM team members, celebrated an important passing of the torch this spring with the closure of the North Operating Room, called the North OR, in the Multnomah Pavilion on Marquam Hill, and the opening of the Center for Health & Healing 2 on the South Waterfront, which includes new, state-of-the-art operating rooms.

The North OR opened in 1923 as part of the Multnomah County Hospital. Over the years, the increasingly antiquated nature of the North OR presented many quirks from small operating rooms to low-hanging equipment to uneasy routes for transporting patients. But, for many, these challenges evolved into cherished character traits due to the collaboration required to maintain high standards for patient care. The North OR ran on teamwork, community and camaraderie.

Remembered Betty Thompson, M.D., an early member of APOM and nicknamed “Queen of the North OR,” it was a place of “collegiality, mutual respect, a very consistent workplace, and very little changeover.”

Before she died April 2, Dr. Thompson helped memorialize the North OR in a tribute video that can be viewed online at: bit.ly/2ZakM36 (Read about Dr. Thompson’s Lifetime Achievement Award on page 10.)
CHH-2 exemplifies integrated, holistic approach to health care

Years of planning, which included essential input from clinicians and staff in the Department of Anesthesiology and Perioperative Medicine, came to fruition April 8 when OHSU opened the Center for Health & Healing Building 2.

CHH 2 is a 15-story health care facility offering advanced treatments in a setting designed for a patient’s convenience, comfort and quick recovery. Approximately 700 OHSU employees and an estimated 600 patients are in house every day.

Members of APOM are vital to CHH 2. The first seven floors are dedicated to high-acuity ambulatory care, highly complex outpatient surgery and invasive procedures. CHH 2 also includes an innovative outpatient care unit where adults can stay and recover for up to 48 hours.

Uniquely designed in close collaboration with patients, families and employees, CHH 2 and the Gary & Christine Rood Family Pavilion (the guest house across the street) exemplify an integrated, holistic approach to health care.

“For the first time in Oregon, we are bringing together treatment, research, patient and guest housing in one centralized location,” said OHSU President Danny Jacobs, M.D., M.P.H., FACS. “These buildings are a palpable, visible reminder of OHSU’s ongoing efforts to improve how we provide the very best care to patients from the state of Oregon and beyond.”

School of Medicine departments hired approximately 19 new physicians and 12 new advanced practice providers to support patient care in CHH 2. They are part of the anesthesia, surgery, gastroenterology, cancer, pathology, orthopaedics, infusion and outpatient care unit teams.

Post-procedure consultations between clinicians are evolving as the OHSU campus grows. Clinicians can take the Portland Aerial Tram to CHH 2 and consult in person or connect to a unit via telemedicine. The telemedicine option saves time and leverages OHSU’s expertise in using technology for patient care.
In APOM, leadership takes many forms

APOM recognizes and celebrates department members with new leadership roles:

Dr. Ryan Anderson
**VALUE ANALYSIS STEERING COMMITTEE CO-CHAIR (VASC)**

Dr. Ryan Anderson has taken on the roles as Co-Chair on the Value Analysis Steering Committee (VASC) and as a member of the General Med Value Analysis Committee. Ryan has demonstrated his dedication to providing high quality care while leading APOM in modifying practices which are wasteful or unnecessarily costly and guiding us towards best practices which benefit both our patients and OHSU.

Drs. Chidi Ani and Grace Chen
**NEW LEADERSHIP FOR ACUTE PAIN SERVICE (APS)**

Drs. Chidi Ani and Grace Chen will lead the department’s Acute Pain Service. Grace will serve as the medical director. Grace completed her residency and pain fellowship with APOM. She joined our faculty in 2008 and began her service as the assistant pain fellowship director in 2008 and then as the pain fellowship director since 2015.

Chidi will serve as the assistant medical director. He completed his regional and chronic pain fellowships at OHSU. He is the resident/medical student pain rotation director. He has strong interests in education, quality improvement, and medical informatics. He also represents us on the OHSU Faculty Senate.

Dr. Derick Du Vivier
**SOM INAUGURAL ASSISTANT DEAN FOR DIVERSITY AND INCLUSION**

APOM’s very own Dr. Derick Du Vivier has become the School of Medicine’s assistant dean for diversity and inclusion. Derick’s leadership in advancing our department's diversity and inclusion efforts, along with his active engagement in the recruiting and mentoring of diverse residents and taking the lead in bringing Dallas trauma surgeon Dr. Brian Williams to campus in fall 2017 to discuss the intersection of race and medicine, are among the many reasons he was chosen for this important role.

Dr. Miko Enomoto
**CODE BLUE CO-CHAIR**

Dr. Miko Enomoto currently serves as an active member of the CVICU, ECLS, and Physician on Duty teams. Miko has agreed to take on the physician co-chair of the Code Blue Committee. She has been a long-standing member of this committee, and we are looking forward to her leadership. She will work closely with the nursing co-chair Jamie Payne, BSN, CCRN and CVICU nurse manager.

Michelle Freeman, P.A.
**NEW APP LEADER FOR CVICU**

In 2016, Michelle Freeman joined the APOM team in the CVICU where she immediately took on leadership roles. In addition to her CVICU APP leader role, she is a member of the CVICU APP Scheduling Task Force, an APP scheduling liaison, participates on the Critical Care Balint Group, and is an ACLS instructor. Prior to OHSU, she worked at Christus St. Vincent Hospital in New Mexico. Michelle received her master’s of science in Physician Assistant Studies from Pacific University in Forest Grove, Oregon.
Dr. Emily Guimaraes is the new chair of the Anesthesia Services Advisory Committee (Sedation Committee). Emily brings a wealth of experience to this role exemplified by her leadership as the medical director of Non-OR Anesthesia.

Dr. Kirk Lalwani was elected president of the Society for Pediatric Anesthesia at the 32nd Annual Scientific Meeting last October in San Francisco. Kirk will serve a two-year term following his terms as secretary/treasurer and president-elect. He is also serving his first year as vice chair for Faculty Development, and has also been the director of the Pediatric Anesthesiology Fellowship Program since 2002.

Dr. Andrei Sdrulla is the new assistant director of the Pain Fellowship Program. Andrei joined OHSU in 2013 as a pain fellow after completing his M.D./Ph.D. and anesthesiology residency at The Johns Hopkins Hospital. After completing his fellowship, he joined as faculty in 2014, and has been an integral member of the pain team, highly regarded educator and successful independent researcher.

Ann Wood has been with the NSICU team since 2015. She graduated from Pacific University in Forest Grove with a master’s of science in Physician Assistant Studies. After graduation, Ann worked in the trauma and general surgery departments at Legacy Emanuel Medical Center in Portland from 2011–2015. The NSICU team is thrilled to have such a great leader like Ann take over the position of APP Leader.

Dr. Derick Du Vivier, fourth from left with his wife, Dana, and APOM’s Dr. Jason Campbell, to his right, joined OHSU students, trainees, faculty and leaders (including OHSU President Danny Jacobs, middle, back row) at the North by Northeast Community Health Center fundraiser in May. Dr. Du Vivier has been named assistant dean for diversity and inclusion in the OHSU School of Medicine.
APOM memorializes ‘Queen of the North OR’ Betty Thompson with Lifetime Achievement Award

Dr. Betty Thompson will forever be remembered as one of the founding physicians of the Anesthesiology and Perioperative Medicine Department. She entered the University of Oregon Medical School in 1955, where she met her husband, John W. Thompson, M.D. At the UCLA Anesthesiology Residency Program, she was the sole woman in a group of approximately 45 residents.

After residency, Betty and John returned to Portland, where she began her 27-year career in APOM. During her time at OHSU, Betty was referred to as the “Queen of the North OR,” and trained approximately 200 anesthesiology residents before retiring in 1991.

Her passion for medicine, teaching, service and faith made a lasting mark on the department. In 2008, Betty and John established the Betty B. Thompson Endowment for International Education within the OHSU Foundation. This endowment supports medical students and anesthesiology residents who are selected to go on medical service trips to underserved countries. (Gifts can be made at www.ohsu.edu/school-of-medicine/anesthesiology/make-gift)

To honor the remarkable career and legacy of Dr. Thompson, APOM members visited Dr. Thompson and awarded her a Lifetime Achievement Award at home a few days before she died April 2, 2019. Betty is survived by her husband, John, and her children, Kathleen and Scott.
Serving OHSU and the greater community

The APOM department has always prided itself in not only providing superior clinical care and achieving excellence in education and research, but also leading with a service mentality.

Every year, APOM generously donates to organizations. In December, the Employee Recognition Committee chose to donate to the nonprofit With Love, which supplies foster parents and kids with such items as clothing, toys and diapers.

In January, APOM community members volunteered at the Oregon Food Bank repacking food, organizing food boxes, cleaning food, and much more. It was a great way to give back while coming together to help others. Thank you to all the volunteers who attended this year’s APOM Oregon Food Bank event.

Also this year, APOM Education Manager Hillary Paasch (pictured) received a prestigious OHSU Golden Rose Award. The monthly awards “celebrate the exceptional acts of service excellence that make the OHSU workplace a community.”

Hillary, who joined APOM in 2012 from Portland State, has been instrumental in the success of the APOM education mission, helping to innovate and advance office operations. At her core, Hillary cares for the residents like they are her own children. She has mastered the phrase, “push with one hand and pat with the other.”

Hillary also joins her education colleagues in building team spirit, including participating in Ugly Sweater Day (pictured) last December. APOM applauds Hillary for her exemplary efforts.

APOM is also pleased to recognize recipients of the D.R.E.A.M. Award for 2018-19. Christine Le, program tech for the scheduling office, was selected in the fall and Helen Liu, research assistant, was selected in the winter. (pictured, left to right, flanking Department Administrator Heather Parks-Huitron)

D.R.E.A.M stands for Dedication, Responsibility, Education, Attitude, and Motivation. APOM community members nominate others for the recognition.

The nomination for Christine read, in part: “Christine is very quick to find solutions to scheduling and meeting problems. She is a big reason why we have been able to make so many positive changes on Labor and Delivery this past year, changes that have modernized our program and brought us to the same level as many of the leaders in obstetric anesthesia throughout the country.”

The nomination for Helen read, in part: “Helen consistently goes out of her way to meet research project deadlines, including working many extra hours to meet the needs of the APOM Behavior Core. In addition to performing many Behavior experiments, Helen is an integral part of the Immunohistochemistry Core. In both areas, she provides consistent and reliable results.”
Is there a Doctor on the Plane?
When Medical Professionals Are Asked to Help In-Flight

June 28, 2019  7:15 a.m.  – 4 p.m.
McMenamin's Kennedy School - Portland, Oregon

Course Description
Flying on a commercial airplane can be challenging, even on a good day! The smoothest flight can take a turn when the request for medical personnel comes over the loud speaker. Do you answer the call?

Credit
The School of Medicine, Oregon Health & Science University, is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

American Medical Association: Oregon Health & Science University School of Medicine designates this live activity for a maximum of 6.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.