CONQUERING MALARIA?

Dr. Riscoe and colleagues may have found the answer
p. 13
Recently, I was part of an OHSU team that traveled through parts of eastern and central Oregon to visit with many of our educational partners. A goal of this trip was to ask: What will society need from physicians and health care professionals over the next 20 to 30 years?

That question is central to our ongoing M.D. Curriculum Transformation Initiative, and during the past year, we’ve asked it of hundreds of people across Oregon and beyond, and across a diverse group of audiences and professions.

What has struck me—regardless of audience category or geographic location—is the consistency of the responses. From physicians in Enterprise, Ore., to patients in urban Portland clinics as well as from alumni located around the country and world, the answers are remarkably similar.

What did we hear? Leadership (especially of an interprofessional team), good communications skills, systems-thinking and a capacity for lifelong learning were cited. Additional examples of desired competencies included an ease with technology, business acumen and informatics abilities.

There was, of course, universal acknowledgement that clinical skills and biomedical/biological knowledge were essential, but the comments suggested that these were not the only areas where the truly excellent programs of the future will focus.

Our opportunity now is to proactively invest in designing educational programs for the future needs of both students and society. And that’s exactly what we are doing.

These responses reflect a rethinking of education now underway at OHSU and within higher education across the nation. As students increasingly access educational content online—from anywhere in the world—the attributes that rise to the top as differentiators between average and high-quality university educational programs are swiftly becoming a new suite of competencies.

It’s nothing short of a revolution in higher education. And within the health care professions, this revolution is amplified by the influences of health care reform.

We are working hard to ensure we prepare our graduates—across all our programs—to not only meet the challenges of this new landscape but also identify the opportunities that will help them lead a health care delivery system that is always improving, and one in which we can rapidly translate research discoveries into clinical care.

Our opportunity now is to proactively invest in designing educational programs for the future needs of both students and society. And that’s exactly what we are doing.

The school will continue outreach to discuss our core question: What will society need from physicians and health care professionals over the next 20 to 30 years? I’m interested in your views, too. Please drop me a line anytime at somdeansoffice@ohsu.edu.

While there are many changes ahead of us in health care education, we will be ready for them with programs that will serve as a model for the future and the nation.
Nike co-founder Phil Knight and his wife, Penny, have issued a historic challenge for cancer research at OHSU – if OHSU can raise $500 million by December 31, 2015, the Knights will donate an additional $500 million.

The Knights gave OHSU this opportunity because of their confidence in the institution and their desire to make a difference for cancer patients. As Phil Knight said, “Is there a higher calling than curing cancer?”

The Knights’ pledge supports OHSU’s vision to make the most powerful life-saving impact on cancer care possible in the shortest amount of time. These efforts are organized around the biggest fundamental barrier to better patient outcomes – inadequate tools for detecting and diagnosing the disease early enough to save lives.

“If we know what’s causing cancer on the molecular level, we can find it before it becomes lethal.”

– Dr. Druker

The Knight Cancer Challenge will dedicate unprecedented resources and expertise to collaborative science. OHSU is building a team of the best minds in cancer science, focusing them on the greatest opportunities for discovery and empowering them to pursue bold ideas.

Leading the charge is Brian Druker, M.D., director of the OHSU Knight Cancer Institute and the pioneering scientist behind Gleevec, the game-changing, molecularly-targeted cancer drug. Patients treated with Gleevec can live a normal lifespan without chemotherapy, radiation, bone marrow transplants, surgery or any of the other conventional cancer treatments. Gleevec proved that if scientists know what’s broken in cancer at the molecular level, it can be fixed.

The Knight Cancer Challenge tackles the next front in the war on cancer – detecting cancer at its earliest, most curable stages. “If we know what’s causing cancer on the molecular level, we can find it before it becomes lethal,” said Dr. Druker.

Visit www.ohsu.edu/knightcancerchallenge to make a gift or learn more about the Knight Cancer Challenge.

Announced in May, a research breakthrough led by Shoukhrat Mitalipov, Ph.D., senior scientist at the Oregon National Primate Research Center and research associate professor of obstetrics and gynecology, may unlock the door to new cures for everything from Parkinson’s disease to cardiac disease to spinal cord injuries.

Dr. Mitalipov collaborated with Paula Amato, M.D., associate professor of obstetrics and gynecology and a reproductive endocrinologist, and colleagues to successfully reprogram human skin cells into embryonic stem cells, the first group in the world to do so.

The news traveled around the globe with stories appearing in major media outlets from The Times of India to BBC News and The New York Times.

Dr. Mitalipov’s group is now focused on generating stem cells for use in future treatments.

LANDMARK ACHIEVEMENT Genetic material is removed from an egg cell. OHSU scientists developed a technique to convert human skin cells into embryonic stem cells.
OHSU receives $1 million for M.D. Curriculum Transformation

Regardless of the outcome of a grant application to the American Medical Association in 2012, the School of Medicine was going to transform its M.D. curriculum. When news came in June that it was one of 11 schools nationwide chosen to receive funding as part of the AMA’s Accelerating Change in Medical Education initiative, school leaders and faculty were thrilled.

As an AMA grant recipient, OHSU is now part of a nationwide learning consortium to rapidly disseminate best practices to other medical and health profession schools. Other awardees include the medical schools from Indiana University, Mayo, NYU, Penn State, East Carolina University, Brown University, UC Davis, UC San Francisco, University of Michigan and Vanderbilt University.

Buoyed by the grant news, school leaders and faculty members are pressing ahead with the transformation and hammering out the curriculum details. The first M.D. class to be educated in the new curriculum will matriculate in August 2014.

And the school continues to solicit input. In July, leaders completed the first of several “Listening Tours,” this one focused on central and eastern Oregon. (Learn more on page 2.)

Keep up with the M.D. Curriculum Transformation Initiative – past, present and future – with an interactive timeline at www.ohsu.edu/newcurriculum.

SoM Facebook friends advise new students

Reward yourself after EVERY exam.

Put people before profit, quality before quantity always.

Befriend the dental students. Each group can learn so much from the other.

Listen to your clients. Don’t disregard what they have to share about their own health!!!

Remember to have fun during the experience.

Take care of your own health so you can serve more effectively. Dare to be great! Congrats.

Good news for skin cancer prevention

LIMITING EXPOSURE Legislators, health care leaders and those whose lives have been impacted by skin cancer gathered with Gov. John Kitzhaber in Salem for a celebratory signing in May of an Oregon state law to restrict the use of tanning beds for minors.

Many OHSU faculty members and employees publicly supported the bill throughout the legislative process, which was championed by Brian Druker, M.D. (in red tie), director of the OHSU Knight Cancer Institute.

“This is a great moment for the citizens of Oregon,” said Sancy Leachman, M.D., Ph.D., new chair and professor of dermatology and director of the Melanoma Research Program at the Knight Cancer Institute (not pictured). “Legislators are clearly looking out for citizens’ best interests when it comes to protecting them from skin cancer. It was great to see an example of science guiding policy. Go Oregon!”

Community Conversations

Andrew Janssen, M.D. ’02 (below, at left), director of the Strawberry Wilderness Community Clinic, discusses rural workforce needs with School of Medicine leaders in John Day, Ore. (See class note about Dr. Janssen, page 23.)

Community Conversations

Andrew Janssen, M.D. ’02 (below, at left), director of the Strawberry Wilderness Community Clinic, discusses rural workforce needs with School of Medicine leaders in John Day, Ore. (See class note about Dr. Janssen, page 23.)
Research news briefs

- Earlier this year, the university became a founding member of the Global Alliance, a worldwide collaborative of more than 70 medical, research and advocacy organizations (including the National Institutes of Health) developing standards to share genetic and clinical data. The end goal is to ensure researchers and clinicians can access the massive amounts of genetic data that will be generated through sequencing and other techniques. Paul Spellman, Ph.D., an associate professor of molecular and medical genetics and a member of the OHSU Knight Cancer Institute, led OHSU’s effort to join.

- In April, OHSU and Intel announced a multi-year research and engineering collaboration to develop next-generation computing technologies. The goal is to advance the field of personalized medicine by dramatically increasing the speed, precision and cost-effectiveness of analyzing a patient’s individual genetic profile. Engineers and scientists from the two institutions will develop hardware, software and workflow solutions for Intel’s extreme-scale, high-performance computing solutions.

- An HIV/AIDS vaccine candidate developed by Louis Picker, M.D., professor of pathology and associate director of the OHSU Vaccine and Gene Therapy Institute, and a team of researchers appears to completely clear an AIDS-causing virus from the body. It is being tested through the use of a non-human primate form of HIV, called simian immunodeficiency virus, or SIV, which causes AIDS in monkeys. Following further development, it is hoped an HIV-form of the vaccine candidate can soon be tested in humans. The findings were published in the journal Nature in September.

- With support from a landmark $25 million philanthropic pledge announced on Sept. 12, a team of OHSU’s top pancreatic surgeons and Knight Cancer Institute scientists will co-develop new detection and treatment methods for pancreatic cancer while solving longstanding mysteries of pancreatic disease at the molecular level. Pancreatic cancer is currently the fourth leading cause of death from cancer and will climb to the second leading cause of death by 2020.

Team effort

A new collaboration to improve pancreatic health includes Rosalie Sears, Ph.D., professor of molecular and medical genetics and Cancer Biology Program leader at the Knight Cancer Institute.

Numbers to narratives

Changes underway in residency education

By Sara Kaufman

Spurred by comprehensive accrediting changes, OHSU Graduate Medical Education programs have begun implementing a new national system that uses annual data collection and trend analysis to improve the educational outcomes of its training programs.

The Accreditation Council for Graduate Medical Education’s Next Accreditation System (NAS) affects more than 9,000 medical training programs nationally. Seven specialties – diagnostic radiology, emergency medicine, internal medicine, neurological surgery, orthopaedics, pediatrics and urology – have already adopted the first phase of the NAS system, with the remaining specialties implementing it by July 2014.

Aside from CLER site visits (see photo caption), the school is also implementing another major NAS change: nationally established educational milestones that trainees are expected to achieve as they progress through their individual training programs.

With the new system phasing in, the school hopes to reduce the administrative burden of accreditation, while freeing already excellent programs to innovate and, ultimately, to benefit from comparative national data to improve OHSU resident/fellow education.
Meeting workforce needs, reducing student indebtedness

Earlier this year, Oregon lawmakers passed Senate Bill 2, which established the Scholars for a Healthy Oregon Initiative. OHSU will offer free tuition for up to 21 students across a variety of degree programs in exchange for their commitment to work in underserved areas – both rural and urban – after graduation. Learn more at www.ohsu.edu/healthyoregon.

OHSU is also making significant efforts to reduce student indebtedness:
• Adopted a budget with a “tuition promise.” Students enrolled in clinical programs will see no increase in tuition during the duration of their program. This covers 1,730 students, including current enrollees as well as those admitted to OHSU programs next year.
• Distributed $1.2 million in diversity awards
• Grew the size of endowment funds dedicated to student scholarships
• Provided ongoing financial management education and debt counseling for every student

Awards critical to student support

In July, nine OHSU M.D. students were selected as the newest Swindells Family Scholars, one of the School of Medicine’s most prestigious M.D. awards. Each award provides $20,000 in support per year of medical school.

The Portland chapter of the ARCS (Achievement Rewards for College Scientists) Foundation, a national women’s group that supports and nurtures American women and men in doctoral programs, named eight new OHSU scholars enrolled in the Graduate Studies Program: Devon Anderson, Reena Clements, Nora Hammack, Scott Jones, Hillary Rodgers, Quinn Roth-Carter, Zachary Schwartz and Helen Wu. Each award provides $18,000 in support during three years of graduate school.

Awards, accolades, honors

Dean Mark Richardson selected Robert (Bob) J. Hitzemann, Ph.D., chair and professor of behavioral neuroscience, as the 2013 Dean’s Award recipient.

Fourth-year medical student Andy Dworkin was awarded the American Medical Association Foundation’s Johnson F. Hammond, M.D. Physicians of Tomorrow Award. He is one of two medical students in the country selected to receive the $10,000 scholarship in the medical journalism category.

John Saultz, M.D., chair and professor of family medicine, was named Family Physician of the Year by the Oregon Academy of Family Physicians.

OHSU Knight Cancer Institute Director Brian Druker, M.D., earned three nationally recognized honors this spring: the Albany Medical Center Prize in Medicine and Biomedical Research, the 2013 Medal from the University of California, San Francisco, and an honorary fellowship of the American Association for Cancer Research Academy.

The Oregon Bioscience Association awarded Albert Starr, M.D., Distinguished Professor of Cardiovascular Medicine, its Lifetime Achievement Award for contributions to cardiovascular health.

More faculty honors and awards at www.ohsu.edu/somfacultyhonors.
A strong understanding of place

By Elizabeth Zdunich

Wilfredo (Will) Perez, M.D., is a first-year family medicine resident with a strong understanding of place. He spent much of his childhood homeless, moving from shelter to shelter, watching his mother fight every day for their survival and attending a variety of schools before he became the first in his family to graduate from high school. He has since established his place in the world as an advocate for health and human rights.

“My passion for medicine, global public health, politics and poverty are the result of the life I’ve lived and the education I’ve received,” Dr. Perez said. “I believe in empowering others the way I was empowered.”

As a 17-year-old, Dr. Perez read about the struggles of Haiti in Tracy Kidder’s Mountains Beyond Mountains: The Quest of Dr. Paul Farmer and became engrossed with health care in Haiti. The day after receiving his undergraduate degree in community health from Brown University, he traveled to Haiti – postponing medical school for a year to serve as the first public health director of a large rural Haitian orphanage.

With the input of the local community, Dr. Perez set his sights on eradicating bedbugs and ringworm. He eventually focused on training Haitian youth, many of them orphans, to become community health care workers, skilled at educating others in disease prevention, administering CPR and distributing medicine. “The ripple effect that comes with training youth is incredible as they go on to teach friends, family and others,” he said.

A recipient of multiple grants from USAID and the Clinton Foundation, Dr. Perez has fundraised more than $500,000 and partnered with some of Haiti’s largest organizations to launch his youth training programs in 14 villages. The programs are all Haitian-run and specific to each region. To date, they have helped an estimated 20,000 people.

Dr. Perez chose OHSU for very specific reasons. “I wanted a residency program that was innovative and committed to training leaders in health policy and global health,” he said. “This four-year program is unique in its blending of rural and urban health, pediatrics, OB/GYN and internal medicine with a focus on public health and an emphasis on quality improvement.” Just the kind of place to nurture his goals to change the health care landscape.

“By the numbers 2013 entering students and trainees

Graduate Studies students
162: Students, total
(master’s and Ph.D.)
650: Applicants
57/43: Percentage who are female/male
29: Average age
61: Percentage from Oregon
39: Percentage from outside Oregon

Physician Assistant students
40: Students, total
1,044: Applicants
70/30: Percentage who are female/male
28: Average age
48: Percentage from Oregon

M.D. students
132: Students, total
5,225: Applicants
51/49: Percentage who are female/male
26: Average age
85: Percentage from Oregon
15: Percentage from outside Oregon

Residents/Fellows
274: Trainees who entered
79 programs
12,379: Applicants
53/47: Percentage who are female/male
30: Average age
13: Percentage entering from OHSU’s M.D. program
9: Percentage born in Oregon
91: Percentage from outside Oregon
NEWLY MINTED Graduates of OHSU’s Biomedical Informatics program – doctoral, master’s and certificate recipients – gather with faculty after the 2013 School of Medicine Hooding and Commencement ceremony at the Arlene Schnitzer Concert Hall on June 3. The school awarded 530 degrees to 514 graduates, including 36 Ph.D. degrees, eight M.D./Ph.D. degrees, 118 M.D. degrees, four M.D./MPH degrees, 160 master’s degrees, 132 graduate certificates, 44 bachelor’s degrees and 28 associate’s degrees.

TECHNIQUE Donn Spight, M.D., Portland Veterans Affairs Medical Center surgeon and assistant professor of surgery, teaches surgical knots in the VirtuOHSU simulation lab. The learner was one of 22 high school/college students from diverse, underrepresented backgrounds who took part in OHSU’s annual Summer Equity Research Program and Ted R. Lilley Cancer Continuing Umbrella of Research Education Internship Program. These summer outreach initiatives, led by OHSU’s Center for Diversity and Inclusion and supported by the OHSU Knight Cancer Institute, School of Medicine and other units, give younger students valuable experience working in a research setting as well as one-on-one academic advising and clinical shadowing opportunities. Dr. Spight and 21 other School of Medicine faculty volunteered as teachers and mentors.

SERVICE TO COUNTRY This year’s new class of M.D. students, the school’s 126th, has the highest number of military veterans in 20 years, pictured here. One of them is Gary Olds, 30 (front row, bottom right, hands in pockets). He grew up in rural Clatskanie, Ore. A third-generation Oregonian, he enlisted in the U.S. Army infantry and served in Iraq. In 2004, he suffered a combat-related leg injury from a suicide bomber attack in the single deadliest suicide attack on American soldiers during the war. Olds was awarded an Army Commendation Medal with Valor Device and a Purple Heart. There are a total of 13 veterans currently enrolled in the M.D. program.
SUPPORTING COMMUNITY HEALTH In July, a large portion of the Physician Assistant class volunteered at the Oregon Food Bank. “We spent the morning sorting and packing food, which was slightly reminiscent of the infamous candy factory episode of ‘I Love Lucy,’” wrote Kirsten Kuhn, first-year PA student, in her OHSU StudentSpeak blog post. “Afterward, we toured the impressive facility, which distributed over 43 million pounds of food last year to Oregon residents. The Food Bank also has some really great sustainable food initiatives, including a learning garden, where anyone in the community can come learn how to grow their own food. Their emphasis on fresh food and nutrition was really evident, and it was inspiring to see. Overall, it was truly a fun way to spend a Saturday morning, and I’m sure a lot of us will be back again.”

GLIMPSE OF THE FUTURE When School of Medicine leaders visited the OHSU/OUHS Collaborative Life Sciences Building under construction on Portland’s South Waterfront in September, the windows were in, the drywall was going up and the detail work was well underway. From left, Irene Barhyte, CPA, CTP, senior associate dean for finance and administration, Tom Heckler, MBA, senior associate dean for the clinical practice, and George Mejicano, M.D., M.S., senior associate dean for education, pause in future lab space. Researchers aren’t the only ones who will benefit from new facilities. Students in the M.D. and Physician Assistant programs will begin using the new interprofessional classrooms, simulation facility and educational spaces next summer.

THE FUNDAMENTALS Each July, all 200 new neurological surgery residents across the U.S. attend a mandatory “boot camp” to learn fundamental skills and promote patient safety. Organized by the Society for Neurological Surgeons, the courses were designed and piloted at OHSU, which continues to serve as one of six national training sites. Nathan Selden, M.D., Ph.D., Campagna Chair of Pediatric Neurological Surgery, was the founding national course director from 2010 to 2013. Pictured, from left, Ansgar Brambrink, M.D., Ph.D., professor of anesthesiology and perioperative medicine, teaches endotracheal intubation to residents, including OHSU trainees Lauren Simpson, M.D. (center), and Carli Bullis, M.D. (right).
Getting to 2.0

Faculty and alumni take electronic health records into the future

By Rachel Shafer
Just over a year ago, a patient walked into the office of Tom Yackel, M.D., MPH, M.S. ’02, an OHSU internist, and asked, “Dr. Yackel, I’m due for a colonoscopy. Can you order me one?”

“My jaw about dropped,” said Dr. Yackel. Normally, he’s the one convincing patients they’re due for the procedure, he explained, not the other way around. But because patients can view their medical record through a secure, online patient portal in OHSU’s electronic health record (EHR) system, they’re tracking their health, getting electronic reminders and taking charge. Dr. Yackel, OHSU’s chief health information officer, is thrilled.

Health care reform, in many ways, rests on EHRs and other information systems; without them, you can’t retrieve and analyze information. Yet, will they help achieve the “Triple Aim” of better patient experiences, better coordination of care and lower costs? That verdict will take years.

In the meantime, as national EHR adoption rates climb toward 60 percent (76 percent in Oregon) and incentive programs spur their meaningful use, EHRs are here to stay, and their benefits are slowly but surely coming into view. In this environment, OHSU clinician-scientists are turning the university’s own EHR into a laboratory of sorts that promises to intelligently push this medical device into the future.

**Building a power tool**

By 2008 or so, OHSU featured an inpatient-ambulatory EHR, an integrated system that was fairly rare at the time. Today, it includes pharmacy and lab modules, alerts and reminders for clinical decision support and patient and referring provider portals. Data are going in. “Now it’s time to get the information out, and that’s where the tool’s real power lies,” said Scott Fields, M.D., R ’89 professor and vice chair of family medicine, and a faculty leader in OHSU’s EHR implementation.

Dr. Fields and his department use the EHR not only for billing and documentation but for analytics. Each month, “balance scorecards” calculate patient satisfaction, quality of care and economic efficiency data for each physician.

The department also generates quarterly reports across populations. An example might be a report showing pneumococcal vaccination rates across time in patients over 65 or for those with chronic diseases such as diabetes, coronary disease or chronic obstructive pulmonary disease. OHSU Family Medicine uses these advanced data to intervene and improve care for individuals and across populations.

“We could never have done this without an EHR,” said Dr. Fields. “It’s very cool. When you look at the use of analytics nationwide, we’re just scratching the surface.”

**Learning to read**

The good news is there are loads of data; the bad news is there are loads of data. Jeffrey Gold, M.D., associate professor of medicine and director of OHSU’s critical care fellow program, loves EHRs but likens them to an enormous “Where’s Waldo?” puzzle. The answer to a patient’s condition is in there somewhere, but it’s often difficult to find.

“The goal is not so much to master specific technical skills as to teach important concepts about harnessing technology to deliver better care.”

– Dr. Biagioli

Dr. Gold is on a mission to better train physicians in their use. “The electronic health record is potentially the most powerful and widely-used medical device today, and it has the most ability to cause harm if used incorrectly,” he said. He’s working to change that.

Last October, his team was awarded a $1 million grant from the federal Agency for Healthcare Research and Quality to develop studies that will shed light on the EHR. So far, the work has led to several simulations, one of which is a sophisticated computer test that clones OHSU’s EHR environment to mimic a realistic ICU case with days of data. Fellows and residents have 10 minutes to review the case and then discover why the patient is medically decompensating.

With 100 tests completed so far, Dr. Gold has a baseline, and now he’s using a sophisticated eye tracker to learn exactly how providers read EHR screens. The next step, he says, is to employ scientific methodologies to identify what kind of EHR training and software design will help reduce medical errors and improve care.

**Charting the future**

At OHSU, first-year M.D. students begin learning the EHR in week two. They advance from creating a progress note to placing and reviewing orders to – in their third year – using the EHR during a clinical visit while maintaining patient rapport. In the Physician Assistant program, EHRs are a key part of both simulated and clinical learning environments.

“The goal is not so much to master specific technical skills,” said Frances Biagioli, M.D., R ’98 associate professor of family medicine and EHR instructor, “because EHRs are rarely the same from organization...
to organization, but to teach important concepts about harnessing technology to deliver better care.”

The use of EHRs specifically – and technology in general – is top of mind as the School of Medicine transforms its M.D. curriculum (see page 4). Paul Gorman, M.D., associate professor of medical informatics and clinical epidemiology, chairs the work group which is investigating how to integrate technology into the curriculum.

Most academic health centers, he and the group found, are grappling with similar issues in a world where technology morphs at lightning speed. “Our job as faculty is to provide students with the adaptive skills to adjust their workflow and practices to fit with new technologies while maintaining the patient care principles that are the foundation of our profession,” observed Dr. Gorman.

The economics of EHRs can’t be ignored. The U.S. market for electronic health records was valued at $17.9 billion in 2011; in 2012, it increased 15 percent to $20.7 billion, according to Kalorama Information. “If academic health centers like us don’t take an active, independent approach in all aspects of the EHR, then there are a lot of corporations really interested in getting into this space and directing it,” said David Dorr, M.D. R ’02, associate professor of medical informatics and clinical epidemiology. “It’s important to have entities like us that independently study the EHR environment and draw their own conclusions.”

“When you look at the use of analytics nationwide, we’re just scratching the surface.”
– Dr. Fields

Lessons learned from OHSU’s clinical, research and educational work will become public information. They’ll be honed into clinical best practices passed to future providers. They’ll be tested and improved by organizations elsewhere. And in this way, OHSU faculty members are offering solid digital direction in the vast space of bits and bytes.

Alumni leading in the digital age

**Connecting a community, one step at a time**

In Oregon’s experiment with health care reform, Greg Fraser, M.D., MBI ’04, is on the front lines. He is chief medical information officer for WVP Health Authority, an independent physician association for Marion and Polk counties, which also belongs to the local coordinated care organization (CCO), Willamette Valley Community Health.

For the last seven years, Dr. Fraser has helped local providers take manageable steps into the digital age, from implementing a community EHR system to introducing electronic prescribing and patient portal technology. “Some days I get impatient and want to jump 10 years into the future, but we’ve accomplished a lot,” he said.

**Scaling up for large populations**

Robert Wah, M.D. ’83, works large systems. He served as lead IT physician and associate chief information officer of the Military Health System at the Pentagon, which serves 10 million patients, 65 hospitals and 450 clinics worldwide, and as the first deputy national coordinator in the federal Office of the National Coordinator for Health Information Technology.

Today, he’s global chief medical officer of Computer Sciences Corporation, a multinational corporation which annually performs $2 billion in health care IT work globally. Among their accomplishments, he said, is implementing an EHR across Britain’s National Health System, linking 2,500 clinics and 35 million patients. (See also class note, page 23.)

**Training, testing, transforming**

As vice chair of OHSU’s Department of Medical Informatics and Clinical Epidemiology, David Dorr, M.D. R ’02, oversees academic programs that have taught hundreds of providers to use IT in their practices and to serve as physician IT leaders, the chief medical information officers of their organizations.

Dr. Dorr also oversees Care Management Plus, a program that lowers costs and improves health outcomes, especially for older adults with chronic illnesses, by harnessing EHRs and other technology as part of a team-based, primary care management model. (More at www.caremanagementplus.org.) Leveraging this approach, Dr. Dorr is now investigating how to deliver on the promises of health care reform through a trial called TOPMED, funded by the Gordon and Betty Moore Foundation.
Can ELQ-300 eradicate the mother of fevers?

Dr. Michael Riscoe believes there’s a good chance it can

There’s just a “thin wall of protection against a total collapse in malaria chemotherapy,” warned a team of scientists led by Michael Riscoe, Ph.D., in a research paper five years ago.

It was one of many such alerts from Dr. Riscoe and other infectious disease experts who cautioned that the drugs we all depend on to fight malaria were rapidly losing their effectiveness. The mosquito-borne parasite that causes the most severe and frequently fatal form of the disease was developing a resistance to them – and increasingly penetrating that protective drug wall.

But this latest alert came as Dr. Riscoe, director of the Experimental Chemotherapy Laboratory at the Portland Veterans Affairs Medical Center and professor of molecular microbiology and immunology at OHSU, and his team were closing in on an answer.

Because of ELQ-300, a drug Dr. Riscoe and his colleagues designed and synthesized, scientists may be on the doorstep not only of rolling back a scourge that has plagued mankind for thousands of years but of conquering it. The Riscoe lab, in collaboration with an international consortium of scientists, disclosed in May that ELQ-300 could not only shore up the wall of protection but, more than that, potentially treat, prevent and ultimately eradicate human malaria.

If ELQ-300 proves itself in human clinical trials, it would come none too soon. The need is urgent for new, safe and inexpensive drugs for treating a disease that every year seriously incapacitates up to 200 million people and kills one to three million, many of them pregnant women and children younger than six.

A clever beast

The human toll has subsided somewhat recently, in part, because of mosquito-control programs in malaria-endemic countries. But it’s a lull before the storm, many scientists say, because of the tenacity of the parasite that causes the deadliest form of the disease.

Plasmodium falciparum is a “clever beast,” Dominican University pharmacologist Roland Cooper, Ph.D., says. It has developed resistance to each new drug thrown against it, sometimes with astonishing speed. In Southeast Asian countries, it’s starting to foil artemisinin derivatives, the key drug in a cocktail that now is the first-line treatment.

The hope is that ELQ-300 will be the game changer in this life-and-death struggle. Studies by Akhil Vaidya, Ph.D., director of the Center for Molecular Parasitology at Drexel University, have shown that the parasite has not been able to develop a resistance to it.

“It ticks a number of boxes necessary in a next-generation antimalarial,” said Timothy Wells, Ph.D., Sc.D., chief scientific officer for Medicines for Malaria Venture (MMV), a Switzerland-based nonprofit coordinating and
We went into the antimalarial lost-and-found and rediscovered endochin.”

– Dr. Riscoe

The Riscoe lab quest began with xanthones, a naturally occurring chemical class of compounds made up of three interconnected rings of atoms. That led them to acridones, another tricyclic compound which they sought to optimize by reducing it to a two-ring molecule, a quinolone. (Shrinking the size of a molecule diminishes the likelihood of adverse side effects.) “That was when we fell onto Dr. Andersag’s work,” said Dr. Riscoe, “and found ourselves retracing his steps. We went into the antimalarial lost-and-found and rediscovered endochin.”

**Investigating endochin**

Why hadn’t endochin worked for Dr. Andersag in mammals? Dennis R. Koop, Ph.D., professor of physiology and pharmacology, found that it was because the drug is metabolized, or destroyed, by protective human liver enzymes. That didn’t occur in birds, which metabolize drugs differently. “That was our ‘ah-ha’ moment,” said Dr. Riscoe. “Now we knew our challenge was to chemically modify endochin so it would not get broken down that way.”

There was another problem. Other labs were working on quinolones, too, and none could get any response to the drug (in vivo activity) in a mouse model. That was the critical next step, and without it, the project would have been aborted. But Rolf Winter, Ph.D., a senior scientist and synthetic chemist who started as a postdoc with Dr. Riscoe and has been with him since, found a way to pull it off.

Helping fund the project along with the U.S. Department of Veterans Affairs, National Institutes of Health and OHSU. “It has the potential to become part of a combination therapy that could cure patients, prevent infection and block the transmission of malaria – all at low doses – which means fewer and smaller pills for patients at a lower cost.”

**Into the lost-and-found**

The trail Dr. Riscoe and his band of sleuths followed to produce ELQ-300 has taken some twists and turns. The University of Kansas graduate earned his Ph.D. in biochemistry and biophysics at Oregon State University, went on to a postdoctoral fellowship at OHSU and launched a career focused on cancer research. But in 1992 his father-in-law gave him a book that spurred him to look deeper into “the mother of fevers” as the disease has been called. The book, *The Malaria Capers* by Robert S. Desowitz, is an impassioned narrative about the long battle against malaria and is required reading for the summer students Dr. Riscoe brings into his lab each year.

That book is where the quest for an effective antimalarial began for Dr. Riscoe. But the roots of ELQ-300 stretch back more than 60 years to the work of Johann “Hans” Andersag, Ph.D., at the Bayer pharmaceutical labs in Germany. Dr. Andersag had developed chloroquine, which by the 1950s, was the principal drug for treating the disease. By the late 1940s, Dr. Andersag had come upon something he thought was even better, the quinolone family of compounds, of which endochin is one.

Malaria was a disease of birds and reptiles before the dawn of civilization, so Dr. Andersag tested endochin on canaries, finches and turkeys – and it not only treated the infection but worked as a prophylactic to prevent it. It meant endochin was active not only against the early blood stage of the infection but also against the tissue and liver stages even before disease symptoms begin. But, alas, it failed in experiments with mice and nonhuman primates, and endochin was consigned to the dustbin.

Endochin is about as soluble as sawdust in water, so Dr. Winter, working with Aaron Nilsen, Ph.D., a research scientist at the Portland VA Medical Center, devised a way to manipulate the molecule to make it a bit more soluble without negating its potency. It worked: the mouse livers didn’t metabolize the drug and in vivo activity resulted. That was in 2008.

Medicines for Malaria Ventures (MMV) agreed to commit funds to the project and help set up a research and development consortium involving Monash University in Australia, University of South Florida and GlaxoSmithKline’s research facility in Tres Cantos, Spain.

From then on, said Dr. Riscoe, “it was a lot of iterative chemistry, designing and making compounds and testing them in our in vitro assay.” (See sidebar about the OHSU origins of this assay.) The lab has created some 500 variants of ELQ for endochin-like quinolone and tested them in 96-well plates – the workhorse device used in drug discovery labs – for activity against the parasite.

**What’s ahead for ELQ-300**

Now that MMV has anointed ELQ-300 a preclinical candidate, the next steps, said Dr. Riscoe, are to fine-tune the formulation and move it toward human clinical trials.
In 2002, Martin Smilkstein, M.D., an emergency medicine physician at OHSU, took leave to work in a Médecins Sans Frontières hospital in Kailahun, Sierra Leone, where more than 65 percent of pediatric hospitalizations and more than half of all outpatient visits were due to malaria. “The needs were overwhelming, the population desperate, death very common,” he said.

When he returned to Portland, Dr. Smilkstein sought out Dr. Riscoe. “I decided to see if there was a way to make a more effective and more affordable antimalarial treatment and make it available in places like Sierra Leone,” he said.

Dr. Smilkstein, now an affiliate associate professor of emergency medicine at OHSU, went to work in the Riscoe lab, and in 2004, he developed a fluorescence-based assay for testing antimalarial drugs. It was an innovation using SYBR® Green dye that proved to be “transformative,” said Dr. Riscoe, not only for his lab but for the entire antimalarial drug discovery enterprise. It lowered the cost of testing antimalarial compounds against the parasite to pennies, permitting assays of many more drugs than was ever possible in the past.

“In a nod to Médecins Sans Frontières,” said Dr. Smilkstein, “we named it the Malaria SYBR-Green Fluorescence or MSF assay, which is now used in labs worldwide.”

That work, he said, will occur over the next couple of years, much of it through MMV. The goal is to produce one, low-cost, 50- to 100-milligram pill, which can be administered once as part of a drug cocktail and which protects an individual up to a month while preventing disease transmission.

Even as they push the work ahead, this research team and American scientists everywhere are grappling with increasingly constrained resources. It’s tough for academic labs to maintain funding levels needed to underwrite a drug discovery effort, Dr. Riscoe said, because of the decades-long decline in NIH funding. “All I know is that this team is ready and anxious to move on our ideas for improved drugs for malaria and other neglected diseases,” he said.

One of the secrets of the lab’s success is, of course, Dr. Riscoe himself. “He’s probably the most enthusiastic person I’ve ever met,” said Allison Stickles, an M.D./Ph.D. student who has worked in the lab for three years. “Someone has an idea, and you’re testing it a few days later. The lesson I take from that is if you have someone who’s really excited about it, like Mike, ideas will take off.”

Editor’s Note: Along with OHSU, the VA and Medicines for Malaria Venture, the National Institutes of Health (grant number AI100569) also supported this research.

Hope dyed green

In 2002, Martin Smilkstein, M.D., an emergency medicine physician at OHSU, took leave to work in a Médecins Sans Frontières hospital in Kailahun, Sierra Leone, where more than 65 percent of pediatric hospitalizations and more than half of all outpatient visits were due to malaria. “The needs were overwhelming, death very common,” he said.

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“In a nod to Médecins Sans Frontières,” said Dr. Smilkstein, “we named it the Malaria SYBR-Green Fluorescence or MSF assay, which is now used in labs worldwide.”

Working in the Riscoe lab, he said, has been “tremendously satisfying and, one hopes, will mean that the misery, suffering and death that malaria brings will end soon.”
Making sense of the data

Biostatisticians convert numbers into knowledge to improve community health

By Gloria Harrison and Rachel Shafer

Technically, Nicole Smith, MPH ’07, is a biostatistician, but you might say she’s also a professional interpreter.

Data are abundant, but they require highly trained professionals to derive accurate meaning from numbers and turn them into policies and practices that others can act on to improve the health of a community.

The Department of Public Health & Preventive Medicine, which leads the Epidemiology and Biostatistics Track for the tri-campus Oregon Master in Public Health (MPH) program, graduates approximately 20 epidemiologists and biostatisticians like Smith every year.

These research professionals are trained to use quantitative methods to analyze and address health problems within a larger community and cultural context.

Smith works at the Northwest Portland Area Indian Health Board (NPAIHB), a non-profit tribal advisory organization. NPAIHB’s Northwest Tribal Epidemiology Center, or EpiCenter as it is known, collaborates with tribes to provide health-related research and training to improve the quality of life for American Indians and Alaska Natives.

For example, EpiCenter’s Native Children Always Ride Safe (Native CARS) project is a five-year, NIH-funded study to improve child passenger safety in six Northwest tribes. The tribes have made it a priority to reduce this type of child mortality and are collaborating with researchers using a highly-involved, community-based process.

The study, which was just awarded an additional three years of funding, is co-directed by Jodi Lapidus, Ph.D., professor of public health and preventive medicine, director of biostatistics education at OHSU and the study’s principal investigator.

After taking baseline and follow-up measurements, Smith, Dr. Lapidus and others are now working with the tribes to design and implement interventions such as enacting child safety seat laws on tribal lands and media campaigns that feature local leaders and community members.

“Almost anyone can analyze data, but not everyone can see the bigger picture, ask why, and make utility to the tribes a priority.”

– Nicole Smith

“So far, tribes that have implemented interventions the longest are seeing a marked improvement, and that is very encouraging,” said Dr. Lapidus.

The ability to translate numbers into action, both for a community and scientific audience, is one of the most important skills Smith said she learned at OHSU. “Almost anyone can analyze data, but not everyone can see the bigger picture, ask why, and make utility to the tribes a priority,” said Smith.

Editor’s Note: Read the full version of this story at www.ohsu.edu/somnews.
When Sharon DeHart, PA-C ’01, moved to rural Maupin, Ore., in 2007 to open a clinic, the site was little more than a small building on a bluff overlooking the Deschutes River. But it was the start of something exciting: A health care facility was finally coming to the communities of south Wasco County.

Maupin is best known for its world-class fishing and whitewater rafting. Now, thanks to the work of DeHart and other members in the community, the town is also known for the services provided by the Deschutes Rim Health Clinic, a primary care clinic with approximately 700 regular patients.

“When it comes down to it, practicing medicine in a rural setting is only limited by the mind of the provider.”

– Sharon DeHart

The clinic’s only full-time provider, DeHart performs many of the day-to-day clinical and administrative procedures.

“It’s true that resources are limited in Maupin,” said DeHart, who is also the health district manager. “But when it comes down to it, practicing medicine in a rural setting is only limited by the mind of the provider. I am trained to provide and punt. If I can’t find a resource, I figure out how to provide that service. Sometimes that means referring patients to a clinic in a larger town like The Dalles, for example, where OHSU resources are steadily becoming available.”

Resourceful also means collaborative. DeHart recently partnered with OHSU’s Oregon Rural Practice-based Research Network (ORPRN) in a study to assess health information technology (HIT) workflow: collecting quality measures, coordination of care, using disease registries, using patient portals or implementing a new electronic health record. (Learn more about ORPRN in the sidebar.)

Results of the study have had a profound impact on DeHart’s clinic, which is now using some of the workflows to improve quality of care.

After graduating from OHSU in 2001, DeHart’s career path took her through the fast-paced rigors of corporate medicine, working along the I-5 corridor between Portland and Corvallis. It was not a career trajectory she was enjoying, and she decided to return to her small town roots.

“I understand the rural Oregon mentality, the lifestyle and the types of adjustments people make when living away from the conveniences of a large city like Portland or Eugene,” she said. “I belong here, helping people in this area.”

What is ORPRN?

OHSU’s Oregon Rural Practice-based Research Network (ORPRN) seeks to improve the health of Oregon’s rural populations by conducting and promoting health research in partnership with communities and practitioners.

Through its HIT study and other research projects, ORPRN is a resource for disseminating best clinical practices and facilitating practice transformation throughout Oregon.

“This type of work demonstrates the value of collaboration between OHSU and community clinics,” said Lyle Fagnan, M.D., ’71 professor of family medicine and ORPRN director. “The results yield significant benefits for Oregon’s rural practitioners and their patients.”

Learn more at www.ohsu.edu/orprn.
No doubt, you’re seeing it, too. We are experiencing a cultural shift in medicine not seen since the 1910 Flexner Report ushered scientific rigor into American medical school curricula along with rigorous admission and graduation standards.

The transformation in health care includes, indeed requires, interprofessional teams. Preparing for this change requires understanding the abilities, strengths and limitations that each team member brings to patient care and how they can most effectively work together. It requires interprofessional education.

I’m thrilled to report that OHSU’s provost, in close collaboration with deans and faculty in the OHSU Schools of Medicine, Nursing, Dentistry and College of Pharmacy, began implementing an interprofessional curriculum this August with all first-year learners. The goal is to produce a future health professional workforce who will work together collaboratively to enhance patient safety and deliver team-based, patient-centered care. It’s exciting.

The School of Medicine Alumni Council is changing, too. After tilting heavily toward M.D.s, we welcomed our first physician assistant, Dawn Rogers, MPAS ’12 (see next page). In addition, I am looking forward to taking part in an OHSU alumni leadership summit later this year with representatives from all OHSU schools.

Interprofessional teams are a big change. I’ll go so far as to say we are on the precipice of a paradigm shift, the magnitude of which we have never seen. Our young colleagues are going to be front and center in its development, implementation and evaluation. Continuing medical education will play an important part, and OHSU, as your educational home, aspires to help current practitioners succeed in this new era.

As we gain momentum, I’m confident that OHSU’s emphasis on the interprofessional team model of care will place students and alumni in the center of the future.

I welcome your thoughts at sm-alum@ohsu.edu.

Donald Girard, M.D. R ’73
President
School of Medicine Alumni Association

SPEECH, SPEECH: Phuoc Tran, M.D. ’03, Ph.D. ’01, accepts the inaugural 2013 SMAA Early Career Achievement Award.

Felsher, M.D./Ph.D., a highly respected Stanford researcher working on the MYC oncogene and its role in tumorigenesis.

Dr. Tran, now an assistant professor of radiation oncology and molecular radiation sciences at Johns Hopkins University School of Medicine, is continuing that line of inquiry in his own lab where he’s translating the latest knowledge into novel treatments for cancer patients.

For his work so far, he’s been awarded the Radiological Society of North America Roentgen Resident Research Award and a Kimmel Translational Scholar Award as well as being named an American Cancer Society Research Scholar, among many other honors.

This spring, Dr. Tran returned to Portland to receive the School of Medicine Alumni Association’s first ever Early Career Achievement Award, which recognizes a graduate who’s made significant career contributions within 15 years of graduation.

Dr. Tran accepted the award at the School of Medicine’s Annual Awards Banquet on May 10, which honored outstanding members of the SoM community. Congratulations to Dr. Tran and these award winners:

Charles A. Preuss, M.D., Distinguished Alumni Award Grover Bagby, Jr., M.D. R ’76, MACP
Esther Pohl Lovejoy, M.D., Leadership Award Sonia Buist, M.D. R ’70, Ph.D.
Richard T. Jones, M.D., Ph.D., Distinguished Alumni Scientist Award Dennis Ohman, Ph.D. ’80
Dean’s Award Robert Hitzemann, Ph.D.
Resident Paper Winner Allison C. Nauta, M.D.
Postdoctoral Paper Winner Christine Ackerman, Ph.D.
Volunteer Faculty Recognition Awards Gregory Knopf, M.D. ’76 (Nominated by Family Medicine), Michael Herson, M.D. (Nominated by Medicine), Harry Glauber, M.D. (Nominated by Medicine), Victoria Warren-Mears, Ph.D., R.D., L.D. (Nominated by Public Health and Preventive Medicine), Mary Ulmer, M.D. (Nominated by Pediatrics), Keith White, M.D. ’76 (Nominated by the Physician Assistant Graduate Program)

ALUMNI, WE NEED YOUR HELP: Nominate a classmate or colleague now for the 2014 awards. Information about the awards is at www.ohsu.edu/som/alumni or contact sm-alum@ohsu.edu.
PA alum joins SMAA Leadership Council
The SMAA Council welcomed its first physician assistant member, Dawn Rodgers, MPAS ’12, at its August meeting. Rodgers works in the OHSU Center for Hematologic Malignancies, part of the OHSU Knight Cancer Institute. As a student, in addition to her Portland-based studies, Rodgers completed emergency and rural rotations in Bend, Ore., and Boise, Idaho. “These are important times for the School of Medicine and our alumni community,” said Rodgers. “I’m looking forward to the upcoming year, and the work that is in front of us.”

More M.D. reunions initiate scholarship drives
Three classes – 1967, 1971 and 1992 – are now actively engaged in endowing class scholarships at the $50,000 level before their next reunion. “We are truly grateful for this far-sighted leadership,” said Christine Tye, senior director of development at the OHSU Foundation. “These scholarships will provide tangible and perpetual support from our alumni to the next generation of students.”

Individual alumni are also showing their support for students by pledging eight of the nine Annual Award for Excellence scholarships created in the 2012–2013 fiscal year.

For more information about these or other scholarships, please contact Sadie Williams at 503 494-9989.

CME on the road, web
The School of Medicine’s CME division is bringing continuing education to you. In a pilot project launched last year, the division is partnering with OHSU’s Department of Orthopaedics & Rehabilitation and OHSU Provider Relations to take faculty speakers on the road.

For example, Nels Carlson, M.D. ’92, associate professor of orthopaedics and rehabilitation, presented “Diagnostic Treatment of Low Back Pain – Focus On Function” at Good Samaritan Regional Medical Center in Corvallis in June. In the works: hematology/oncology and neurology/neurosurgery programs.

Are you interested in hosting OHSU faculty speakers at your locale? Contact cme@ohsu.edu for more information.

Speaking of continuing education, the OHSU Center for Global Health’s Professionals’ Training in Global Health course is now available online. This unique course, which retrains physicians to work in primary care settings in developing countries, is available through a combination of live tele-conferencing and archived video. Visit www.ohsu.edu/globalhealth/PTGH.

REUNITED “I can’t believe it’s been 35 years!” wrote Jerry Moss, M.D. ’78. Dr. Moss and other members of the M.D. Class of 1978, as well as the classes of 1963, 1968, 1973, 1983 and 2003, celebrated reunions in various locales this year. Thank you to all who made them possible.

M.D. ALUMNI, WE NEED YOUR HELP Are you interested in gathering your classmates together for a reunion? Contact sm-alum@ohsu.edu for more information.
Greetings, Seattle alumni

David Davis, M.D. ’51, and Jane Davis opened their Medina, Wash., home to Seattle-area alumni on June 23. Dean Mark Richardson shared the latest school news and Provost Jeanette Mladenovic discussed OHSU’s Interprofessional Education Initiative — a model for education that makes team-based, patient-centered care the new standard. Guests also heard from Anuj Katar, M.D. ’12, who reflected on how his education at OHSU prepared him for a rigorous first year of family medicine residency at Swedish Medical Center. The SMAA extends grateful thanks to the Davis family for their generous hospitality.

ALUMNI, WE NEED YOUR HELP: Interested in hosting a similar gathering at your home? Contact us at sm-alum@ohsu.edu

OHSU Library resources for Oregon licensed health professionals

A small portion of M.D. and D.O. licensing fees are appropriated through state legislation and administered by the OHSU Library to provide information resources to Oregon clinicians.

As part of this program, the library is launching a pilot project to provide free, expedient journal article delivery on a first-come, first-served basis for Oregon M.D. and D.O.s. Each clinician can order up to three articles during the pilot project timeframe. Additionally, the library will be adding AccessMedicine, a collection of 75 reference books, which include Harrison’s, Goodman and Gillman’s and the Lange Current Diagnosis and Treatment series. Visit www.ohsu.edu/library/orhp to learn more.

Help an M.D. student travel

Physicians: Remember the anxiety, burden and cost of traveling in your fourth-year of medical school to residency interviews? OHSU Alumni Relations has a way to assist today’s M.D. students: the Help Our Students Travel (HOST) program.

Alumni volunteers are paired with a student interviewing at residency programs in their area. Host responsibilities might include giving workplace tours, sharing local insights, offering professional advice or even hosting students overnight. Email sm-alum@ohsu.edu to sign up or learn more.

Back to class, minus the study carrels

Physicians: Curious how medical school and medical knowledge have changed since your own school days? You’re invited to participate in our half-day Mini Medical School, currently slated for the January 2014 timeframe. Alumni attend morning lectures with second-year M.D. students and then discuss the experience over lunch with Dean Mark Richardson. Please contact Sadie Williams at 503 494-9989 to sign up.

Send us your emails!

We’re sending more news and event information electronically. Don’t be left out. Email sm-alum@ohsu.edu to update your contact information.

Also, introducing the OHSU Alumni “Email Address for Life.” This program offers alumni an OHSU email address for their personal use. Contact sm-alum@ohsu.edu to learn more.
Lasting Legacy
Marion Krippaehne, M.D. ’48

By Maija Anderson and Rachel Shafer

When she was 12 years old, Marion Krippaehne, M.D. ’48, decided to become a doctor. It was 1935. At the time, she knew no female physicians.

No matter. After graduating from the University of Washington in chemistry, Dr. Krippaehne became one of four women in her M.D. class at the University of Oregon Medical School (OHSU’s precursor). “The class felt like a family,” she recalled. “We had 64 brothers.”

Dr. Krippaehne went on to become an OHSU professor of medicine, part of a growing number of women hired to the faculty. She practiced internal medicine and taught third- and fourth-year M.D. students who rotated through her clinic from 1954 to 1988.

At the same time, Dr. Krippaehne and her husband, William Krippaehne, M.D. ’46, professor of surgery and department chair, raised seven children.

Her dedication to career and family inspired the next generation of physicians during a time when increasing numbers of women were entering medicine. “Dr. Krippaehne was a great teacher and role model,” said Mary Wilder, M.D. ’63 R ’68, who was her student in 1962. “She was a fount of wisdom, both as a physician and as a woman.”

As state president of the American Medical Women’s Association, Dr. Krippaehne also encouraged local women health practitioners to support students and new professionals.

After a long fruitful career and family life, Dr. Krippaehne died on April 15, leaving behind an enduring contribution to subsequent generations of physicians.

Alumni: Who was your favorite faculty member? Nominate instructors and mentors who had an impact on you and other graduates for our “Lasting Legacy” column. Reach us at sm-alum@ohsu.edu.
Class Notes

We welcome your news and photos. Email sm-alum@ohsu.edu or write a note to Bridges Class Notes c/o Rachel Shafer OHSU School of Medicine, 3181 SW Sam Jackson Park Road MC L102, Portland, OR 97239. Please write a maximum of 250 words and include your name, degree/training information and graduation/completion year. We may not be able to publish all items and may edit for length and clarity.

1970s
Jimmie Ashcraft, M.D. ’74, of Billings, Mont., served on the clinical faculty of the University of Washington School of Medicine for 30 years, helping develop the Montana Family Medicine Residency Program. He wrote, “I’m now retired after 35 years in the trenches. I recently published my third book, Side Effects, about my adventures as a family physician in rural medical practice. I live in Billings with Kay, my wife of 42 years.”

Wayne N. Burton, M.D. ’74, of Chicago, Ill., is global corporate medical director for American Express. He wrote, “I was recently awarded the National Health Leadership Award by the Central States Occupational and Environmental Medical Association.”

The Oregon Medical Association named John McAnulty, M.D. R ’74, of Portland, Ore., its 2013 Doctor Citizen of the Year. Dr. McAnulty, a cardiologist, leads the Legacy Health System’s Heart Rhythm Service and served on OHSU’s faculty until 2004.

Madelle Poole Friess, BSN ’69, of Bend, Ore., wrote, “These three gentlemen (pictured below) began their ENT residency at OHSU on July 1 of 1973 under David DeWeese, M.D. We are all healthy, still married and get together every two years or so. My husband, Carter "Chris" Friess, M.D. R ’77, on the left, is still practicing in Bend. William "Bill" Laws, M.D. R ’77 center [with wife, Nancy], retired from his Bend practice several years ago, and Michael "Mike" Egans, M.D. ’70 R ’77, on the right [with wife Marilyn] retired from his practice in Hillsboro quite a while ago but teaches at the VA once a month. OHSU stays in the family. Our younger son, Malin G. Friess, DMD, graduated from the OHSU School of Dentistry. Our older son Darin M. Friess, M.D., is now an assistant professor in OHSU’s Department of Orthopaedics & Rehabilitation.”

Mark Your Calendar

Upcoming Events

2013–2014 OHSU Marquam Hill Lectures
Thursdays, 7 p.m.
For more details, visit www.ohsu.edu/mhllectures. Each lecture is recorded and posted to the website.

Nov. 21: Nerve Remodeling After a Heart Attack
Presented by Beth Habecker, Ph.D.

Feb. 20, 2014: Unlocking the Secrets of Cancer Growth
Presented by Lisa Coussens, Ph.D.

April 17, 2014: Healthy Mouth, Healthy Body: The Link Between Gum Disease and Diabetes
Presented by James Katancik, D.D.S., Ph.D.

May 2014 (exact date TBD): Fixing What’s Broken: OHSU’s Role in Health Reform and Evidence-based Medicine
Presented by Roger Chou, M.D., and John McConnell, Ph.D.

SMAA Holiday Reception
Dec. 8; 2 to 4 p.m.
The Town Club, Portland
For more information and to RSVP, please call 503 552-0745.

OHSU Research Week
Week of May 5, 2014
Marquam Hill Campus
For the latest information and more events, go to www.ohsu.edu/som/alumni.

Upcoming CME

45th Annual Primary Care Review
Feb. 10 to 14, 2014
Governor Hotel, Portland

9th Annual Pediatric Review and Update
April 3 to 5, 2014
Governor Hotel, Portland

21st Annual Internal Medicine Review
April 10 to 11, 2014
Governor Hotel, Portland

Sommer Memorial Lectures/OHSU School of Medicine Alumni Scientific Meeting
May 15 to 16, 2014
Multnomah Athletic Club, Portland

Schedules are subject to change. Please contact 503 494-8700 or cme@ohsu.edu for brochures and program updates. For the latest information on these and other CME events, visit www.ohsu.edu/som/cme.

Keep in Touch

Email us at sm-alum@ohsu.edu
Write to Bridges Editor c/o Rachel Shafer, 3181 S.W. Sam Jackson Park Road MC L102, Portland, OR 97239
Join our LinkedIn group, www.ohsu.edu/som/alumni and click on the LinkedIn icon
Web resources and information at www.ohsu.edu/som/alumni
Marcia Darm, M.D. ‘78 R ’83, of Portland, Ore., retired this year after 30 years in practice. She wrote, “My partner, Diana Bell, M.D. ’85, also retired. We had 13 fun years together in our boutique gym practice, which will be taken over by Providence Medical Group. My husband, Bruce, and I have travelled to South America, Sri Lanka and the Maldives. I hope to learn to swim laps, cook vegan and blow glass. Maybe I will start speaking French again. Who knows?”

1980s
The American Medical Association has elected Robert M. Wah, M.D. ’83, of McLean, Va., its president-elect. Dr. Wah, a reproductive endocrinologist and ob-gyn physician, served more than 23 years on active duty as a captain in the U.S. Navy Medical Corps. He now practices and teaches at the Walter Reed National Military Center and NIH. (Featured on page 12.)

Modern Healthcare named Jeffrey Cain, M.D. ’85, president of the American Academy of Family Physicians, as one of the 100 Most Influential People in Healthcare for 2013.

1990s
The Wilderness Medical Society selected Thomas DeLoughery, M.D. R ’91, of Portland, Ore., for its Founders Award in recognition of “outstanding contributions to the principles and objectives of Wilderness Medicine.” Dr. DeLoughery is professor of medicine, pathology and pediatrics at OHSU.

Rebecca Seal, Ph.D. ’99, of Pittsburgh, Pa., is an assistant professor of neurobiology and otolaryngology at the University of Pittsburgh. In her lab, Dr. Seal is working to elucidate the circuitry that drives behavior normally and in disease.

2000s
The Oregon Association for Home Care named Andrew Janssen, M.D. ’02, of John Day, Ore., its 2013 Home Care Physician of the Year. Dr. Janssen, a preceptor for OHSU students, and his wife, Andrea Janssen, M.D. ’00, practice family medicine at Blue Mountain Hospital’s Strawberry Wilderness Clinic.

Thomas Kowalkowski, D.O. R ’02, of Sartell, Minn., is an interventional pain and sports medicine specialist at the Interventional Pain and Physical Medicine Clinic in Sartell, Minn. This year, his clinic received an Excellence in Pain Practice Award for Multidisciplinary Clinical Pain Practice by the World Institute of Pain.

2010s
Jackie Wirz, Ph.D. ’10, of Portland, Ore., welcomed her first son, Henry, in March. She was also accepted as a Woods Hole Bioinformatics Fellow and this fall spent a week, “learning the latest and greatest in all sorts of stuff.”

Portland Community College selected Benjamin Jones, M.D. ’12, of Minneapolis, Minn., to be one of five 2013 Diamond Alum Award winners. He is a resident in emergency medicine at East Hennepin County Medical Center in Minneapolis.

The NIH selected Isabelle Baconguis, Ph.D. ’13, an OHSU Vollum staff scientist, for one of its prestigious Early Independence Awards, allowing her to skip traditional postdoc training and move right into an independent research position.

In Memoriam
David Barker, M.D., Ph.D., FRS, died Aug. 27. Dr. Barker was director of international collaborations at the OHSU Bob and Charlee Moore Institute for Nutrition & Wellness and a professor of medicine.

David Cook, M.D., of Portland, Ore., died July 20. Dr. Cook was a professor of medicine.

Edwin “Ed” Curtiss Everts, M.D. R ’67, of Helena, Mont., senior associate dean emeritus of clinical affairs and professor emeritus of otolaryngology/head and neck surgery, died May 18 at age 77.

Tamara Hayes, Ph.D., of Portland, Ore., died July 28. Dr. Hayes was an associate professor of biomedical engineering.

Marion Krippaehne, M.D. ’48, R ’50, R ’51, of Lake Oswego, Ore., died April 15 at age 89. Dr. Krippaehne was a professor of medicine. (See page 21.)

Sidney Axelrod, M.D. R ’50, of Phoenix, Ariz., died July 18 at age 97.

Mario Campagna, M.D. ’51, of Medford, Ore., died July 3 at age 86.

LeRoy “Cap” Caspersen, M.D. ’56 R ’60, of Portland, Ore., died July 20 at age 85.

Support the Everts-Smith Fund
Named in recognition of the late Edwin Everts, M.D., (left) and James D. Smith, M.D., professor emeritus of otolaryngology/head and neck surgery, for their exceptional service and contributions to the field of otolaryngology, the Everts-Smith Fund supports educational opportunities for OHSU medical students and residents in otolaryngology/head and neck surgery.

Contact Tim Coffey, OHSU Foundation, 503 494-3686.

William Endicott Jr., M.D. ’45, of Albany, Ore., died August 19 at age 92.

Patricia Gilleese, B.S. ’74, of Mountlake, Wash., died July 12 at age 60.

George Harra, M.D. ’53, of Portland, Ore., died May 7 at age 88.

Artrey Hawman, M.D. ’63, of Redmond, Ore., died August 6 at age 83.

Donald Holden, M.D. R ’53, of Portland, Ore., died February 1 at age 93.

Larry Joll, M.D. ’68, of Eugene, Ore., died August 18 at age 70.

Frank Kurz, M.D. R ’81, of Portland, Ore., died May 15 at age 61.

Eugene Landreth, M.D. ’48, R ’53, R ’54, of Portland, Ore., died September 7 at age 89.

Harriette Maranze, M.D. R ’78, of Portland, Ore., died May 17 at age 63.

Gerald Schwarz, M.D. R ’64, of Portland, Ore., died July 24 at age 76.

Delbert Scott, M.D. ’59, of Boise, Idaho, died June 26 at age 80.

Will Senders, M.D. ’50, of Wilsonville, Ore., died August 8 at age 87.

Robert Tether Jr., M.D. ’57, of Greenville, S.C., died July 24 at age 84.

Lawrence Welter, M.D. ’62, of Walnut Creek, Calif., died July 12 at age 75.
The Annual Awards of Excellence Scholarships are an opportunity to give a yearly gift to support students in the OHSU School of Medicine. The impact is immediate, meaning the funds are disbursed to the scholarship recipient in the fiscal year they are received and provide direct financial support.

A commitment of $8,200 over four years ($2,050 annually) is all that is needed to participate in this endeavor.

You will become a catalyst for critical student support by creating a named, current-use scholarship with this contribution. To find out how you can start a named scholarship or to learn more about this program, please contact Sadie Williams at the OHSU Foundation.

Sadie Williams
Associate Director of Development, OHSU Foundation
503 494-9989 or willisad@ohsu.edu

“\textit{I’m so grateful for my medical school education and training. Creating this scholarship was such a natural way for us to give back, especially considering the very high cost of tuition today.}”

- Christopher Williams, M.D. ’58, with scholarship recipient Maria Pella, M.D. Class of 2014

Student support is a priority.

Join this effort by creating an Annual Award of Excellence Scholarship.

ON THE COVER
Dr. Michael Riscoe (right) and fellow scientist Dr. Aaron Nilsen with a vial of ELQ-300.

Photo: Aaron Bieleck