

FOR ALUMNI, FRIENDS, FACULTY AND STUDENTS OF THE UNIVERSITY OF WISCONSIN SCHOOL OF MEDICINE AND PUBLIC HEALTH

# Quarterly

## Mending Tiny Hearts

Pediatric Heart

Program Earns

**National Recognition** 

MIDDLETON SOCIETY p. 8
CENTER FOR SPECIAL CHILDREN p. 10

HOMECOMING WEEKEND p. 14





#### QUARTERLY

The Magazine for Alumni, Friends, Faculty and Students of the University of Wisconsin School of Medicine and Public Health

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#### JANUARY 2020

Thursday, January 16

Operation Education Health Sciences Learning Center

#### **MARCH 2020**

Friday, March 20

Match Day

## APRIL 2020

Tuesday, April 7, and Wednesday, April 8

Day of the Badger Everywhere!

Friday, April 24

WMAA Board of Directors Meeting WMAA Annual Meeting Scholarship Reception WMAA Awards Banquet

#### **MAY 2020**

Friday, May 8

**UW-Madison Commencement** 

## JUNE 2020

Thursday, June 4, through Saturday, June 6 Spring Alumni Weekend Reunions for the Classes of 1955, '60, '65, '70 and '75, and the Half-Century Society for all alumni who graduated before 1970

#### SEPTEMBER 2020

Friday, September 25

Middleton Society Dinner

#### OCTOBER 2020

Friday, October 30, and Saturday, October 31

WMAA Board of Directors Meeting Reunions for the Classes of 1980, '85, '90, '95, 2000, '05, '10 and '15 Homecoming Football Game



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#### Mending Tiny Hearts

A nationally acclaimed pediatric heart program helps improve the quality of life for thousands of children.



#### Middleton Society

The annual evening of gratitude offers the opportunity to learn about advances in epilepsy research.

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#### Center for Special Children

Twenty-first century medicine practices are helping Amish people deal with rare, inherited illnesses.

#### Campus Scene (above)

Science Hall is pictured with colorful fall foliage during an early-season snowstorm on October 31, 2019. —*Photo by Bryce Richter/UW-Madison* 

#### On the Cover

Addison Boeckmann—who was born with complex, life-threatening heart anomalies—is healthy and happy following three successful cardiac surgeries, with the first when she was just a few days old, at the American Family Children's Hospital.

- **14** Alumni Notebook
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- **32** Awards
- **38** Research Advances
- **40** Perspectives

#### ROBERT N. GOLDEN, MD



his issue of *Quarterly* magazine focuses on the "heart of the matter" in terms of notable activities at the University of Wisconsin School of Medicine and Public Health (SMPH). We begin with a feature story about our remarkable pediatric heart surgery program. Drs. Petros Anagnostopoulos and J. Carter Ralphe are preeminent academic and clinical leaders. They have created a bridge connecting the Department of Surgery and the Department of Pediatrics that allows for the seamless delivery of patient care to one of our most vulnerable populations: babies and children. Their partnership personifies the spirit of collaboration that makes this such a special place.

Another *hearty* collaboration is highlighted in the story of the vitally important service that Drs. James DeLine and Christine Seroogy provide for Amish families and others from the Plain community in rural La Farge, Wisconsin. This population has a very high risk for rare, inherited diseases, some of which can only be treated if detected early. Drs. DeLine and Seroogy have

worked with colleagues at the Wisconsin State Laboratory of Hygiene to develop and implement newborn screening tests specific to those illnesses. They embody the SMPH commitment to serve underserved populations in a culturally sensitive, respectful partnership.

This issue also describes connections made at the annual dinner for our Middleton Society, a group to which we share our heartfelt gratitude. The fall event included a presentation about the remarkable story of Lily's Fund, a dedicated grassroots effort that has accelerated our campus' ability to advance the understanding of and potential new treatments for epilepsy.

Later this fall, we provided a *heart-warming* "welcome home" to alumni and their guests who attended Homecoming Weekend activities, including the Wisconsin Medical Alumni Association (WMAA) Tailgate Party. Members of the nine reunion classes enjoyed a feeling of warmth during an otherwise chilly season. This was especially helpful for those who trekked to Camp Randall to cheer for the UW Badgers during

the victorious football game against the Michigan State University Spartans.

I was most fortunate to join in the fun at another well-attended, WMAA-hosted gathering of alumni and friends at Lambeau Field—a site close to the hearts of Wisconsinites who follow professional football. Dr. Patrick McKenzie shared a fascinating presentation about how he provides clinical care for the Green Bay Packers.

As you continue reading, you will learn about recognitions bestowed upon two exceptional, long-standing faculty members. Dr. Dennis Maki received the Wisconsin Alumni Association's Distinguished Alumni Award, and Dr. Patrick Remington received the Folkert Belzer Award. Dennis and Pat represent the *heart and soul* of our academic medical center, and their legacies will continue forever at the school they each love so dearly.

This quarter's Perspectives column shines a spotlight on the Healthy Classrooms Foundation, an effort founded and continuously run for more than a decade by SMPH medical students. The innovative program *circulates* the best traditions of the Wisconsin Idea, as it enhances the health and lifestyles of students in public schools throughout the Badger State.

At the risk of grossly overextending a metaphor, I want to again provide a *heartfelt* invitation to come visit your alma mater. We would be delighted to give you a personalized tour and share with you our vision for the expanding traditions of your school of medicine and public health.

#### Robert N. Golden, MD

Dean, University of Wisconsin School of Medicine and Public Health Vice Chancellor for Medical Affairs, UW-Madison

#### DANIEL JACKSON, MD '03 (PG '10)

reetings, fellow alums and supporters of the University of Wisconsin School of Medicine and Public Health (SMPH). These are exciting times for the Wisconsin Medical Alumni Association (WMAA). Engagement and participation of alumni in our events and programs is growing. There has never been a better or more important time to get involved!

In August 2019, we welcomed the SMPH Class of 2023 at the White Coat Ceremony at the Memorial Union. The quality, diverse backgrounds and life experiences of our incoming medical students speak to the amazing programs that attracted them to our school. Once again, I had the honor of presenting to our first-year students stethoscopes purchased by alums through the WMAA Stethoscope Program. This program is emblematic of the sharp attention our alumni association pays toward the success of our future alumni throughout medical school and beyond.

The WMAA staff, led by Executive Director Karen Peterson, has been extremely busy. We had an excellent turnout for nine fall class reunions at the Best Western Premier Park Hotel on the Capitol Square, as well as a successful tailgate party at Union South, followed by a Badger football victory over the Michigan State University Spartans at Homecoming. A highlight of Homecoming Weekend included one of our most renowned

alums and faculty members, Dr. Dennis Maki (MD '67), being presented with the Wisconsin Alumni Association's Distinguished Alumni Award. Later in the fall, the staff followed these celebrations with a terrific event at Lambeau Field, featuring a talk by the Green Bay Packers' team physician, Dr. Patrick McKenzie.

Our WMAA Board of Directors has been growing, with national representatives from many major cities around the nation. We now have board members and advisory council members ranging from the Class of 1969 to the Class of 2012. They all bring diverse ideas and perspectives on ways to help the WMAA advance the SMPH's mission by fostering lasting relationships among the school's alumni, students and faculty. It truly is a privilege to serve as president of this thriving organization.

This issue of *Quarterly* magazine showcases many great things happening at your alma mater. We rely upon your ongoing commitment to support our students and sustain and grow the highly successful programs of the SMPH.

On Wisconsin!

**Daniel Jackson, MD '03 (PG '10)**President, Wisconsin Medical
Alumni Association





# Mending Tiny Hearts

## PEDIATRIC HEART PROGRAM EARNS NATIONWIDE RECOGNITION

ew public celebrations in Madison, Wisconsin, have eclipsed the enormity of the grand opening of UW Health's American Family Children's Hospital (AFCH) in 2007. Featuring colorful, spacious patient rooms; a whimsical, child-friendly interior design; and the very latest in medical equipment and technology, this world-class hospital helped launch an extraordinary level of growth in pediatric specialty care, substantially improving the quality of life for thousands of children from Wisconsin and beyond.

Despite the magnificence of the new children's hospital, something palpable was missing when its doors opened more than 12 years ago. A comprehensive pediatric heart program—an essential component for any state-of-the-art children's hospital—had repeatedly proved elusive.

To be sure, UW Health had long been home to a highly skilled but small pediatric cardiology team. Without a first-class pediatric cardiac surgeon, however, the ceiling for growth was low. Instead of keeping its surgical patients in house, UW Health

historically sent most of these children elsewhere—usually to the state's only full-fledged pediatric heart program at the time, the Herma Heart Institute at Children's Wisconsin (formerly Children's Hospital of Wisconsin) in Milwaukee.

"Nobody questioned the excellence of care these children historically received in Milwaukee," says J. Carter Ralphe, MD, chief of the Division of Pediatric Cardiology in the Department of Pediatrics at the University of Wisconsin School of Medicine and Public Health (SMPH). "We simply believed that kids from Madison and the surrounding region should be able to have their heart surgery closer to home."

"Moreover, we have a great academic health system and a world-class university here," adds Ralphe, who practices at American Family Children's Hospital and leads a productive research team. "Why shouldn't the University of Wisconsin-Madison have a comprehensive pediatric heart program?"



Ellen Wald, MD, in the main lobby of the American Family Children's Hospital.

## Building Support for the Heart Program

Even before he was hired at UW Health in 2007, Ralphe had reason to feel encouraged. Ellen Wald, MD, Alfred Dorrance Daniels Professor and chair of the SMPH Department of Pediatrics, began laying the groundwork for a children's heart program soon after becoming chair in 2006.

"A comprehensive pediatric heart program raises the entire profile of your





American Family Children's Hospital

children's hospital," notes Wald. "It changes the whole character of the place by allowing you to offer an advanced level of care to patients and a higher caliber of training to young physicians than otherwise would be the case."

With Wald's backing, Ralphe began rounding up support from the institution's highest levels to realize his dream. Several players—also new to UW Health at the time—gave Ralphe their blessing. They included Donna Katen-Bahensky, then president and CEO, UW Hospital and Clinics (now UW Health); K. Craig Kent, MD, then chair, SMPH Department of Surgery; and Jeff Poltawsky, then vice president, American Family Children's Hospital.

UW Health moved forward knowing that two momentous challenges lie waiting. First, the institution had to successfully recruit a superior pediatric heart surgeon. Second, UW Health needed to begin changing referral patterns to keep the new surgeon busy with little hearts to mend. Leaders knew that after decades of surgical referrals routinely flowing to Milwaukee, establishing trust by referring providers could be a challenge.

From 1999 to 2010, three cardiac surgeons took a turn at performing pediatric cases. The last of these three—a highly talented surgeon named Hani Hennein, MD—

died unexpectedly in 2010 at age 52, just nine months after coming to UW Health.

"It was hard to build traction when the surgical side went through these unfortunate starts and stops," says Ralphe, "Still, we learned valuable lessons from each experience, both inside the hospital and from referring providers. By the time we hired Petros in 2011, we had a strong foundation."

#### **Celebrating a Turning Point**

"Petros"—whose name is usually spoken with reverence and great affection—is Petros Anagnostopoulos, MD, MBA, also known as "Dr. A." for short. He was hired as UW Health's chief of pediatric cardiothoracic surgery after training at the University of Pittsburgh and University of California, San Francisco (UCSF). He also served on the faculty of Phoenix Children's Hospital in Arizona and UCSF.

"Pediatric heart surgery requires an extraordinary skill set," says Kent, who is now the dean of the College of Medicine at The Ohio State University. "The anatomy and physiology of complex heart disease—especially in babies or small children—is incredibly complex. You're talking about a heart the size of a walnut, and the surgery has to be done perfectly or the outcome won't be favorable."

When Anagnostopoulos emerged from the nationwide search for candidates, everyone at UW Health was highly impressed. He is now the surgeon-in-chief at the American Family Children's Hospital, a professor in the Division of Cardiothoracic Surgery of the SMPH Department of Surgery, and chief of the division's Section of Pediatric Cardiothoracic Surgery.

"We knew Petros' surgical outcomes were outstanding," Kent recalls. "But what also set him apart was his incredibly kind, gentle and engaging nature. In the operating room, he is obsessively compulsive, and rightly so. In general, however, he is not only smart, but also very approachable and collaborative while interacting with colleagues, staff and patients' family members."

With such a highly reputed surgeon in place, UW Health recruited more pediatric heart specialists to round out the team. Among them were Luke Lamers, MD, AFCH director of catheterization and SMPH associate professor of pediatrics: Nicholas Von Bergen, MD, AFCH director of interventional electrophysiology and SMPH associate professor of pediatrics: Heather Bartlett, MD, UW Health director of the Adult Congenital Heart Disease Program and SMPH professor of medicine and pediatrics; and Amy Peterson, MD '04, leader of one of the nation's few pediatric preventive cardiology programs and SMPH associate professor of pediatrics. A second congenital heart surgeon, Joshua Hermsen, MD (PG '11), SMPH assistant professor of surgery, came on board in 2017, and the number of pediatric cardiologists has nearly tripled from four in 2008 to 11 in 2019.

Another vital ingredient is the pediatric critical care team, which provides round-the-clock coverage for every child from the time surgery is over until hospital discharge.

"These children require the highest level of vigilance once they come to the pediatric intensive care unit," says Peter Ferrazzano, MD, chief of the Division of Pediatric Critical Care Medicine in the SMPH Department of Pediatrics and a pediatric intensivist who specializes in caring for cardiac patients at the American Family Children's Hospital. "They have been through complex surgery, so their physiology can change quickly. The families we see are confident that our team knows how to react swiftly and appropriately, 24/7."

## Aiming for Excellence in Outcomes and Communication

Because attracting patients begins with having trust-based relationships with prospective referring providers, Anagnostopoulos and Ralphe spent many days traversing the state to discuss how serious UW Health was about building a top-notch pediatric heart program in Madison. They acknowledged the program's bumpy history while sharing their vision for a first-class program without criticizing the competition.

"The pediatric heart program at Children's Wisconsin in Milwaukee has a longstanding, well-deserved reputation," notes Anagnostopoulos. "Carter and I sought to grow an excellent program here by committing not only to superb surgical outcomes, but also to communicating regularly with the physicians who send us patients."

Cheryl Pieper, UW Health director of provider relationships, describes that concept as "a promise made and a promise kept."

"As Dr. A. travels across the region to meet with referring providers, he is constantly on the phone with families, colleagues, referring physicians and nurse practitioners," she says. "The communication flows readily both ways."

#### **Earning National Recognition**

Ultimately, the proof lies in the numbers, which have been impressive in volume and outcomes.

Since Anagnostopoulos joined UW Health, congenital heart surgery patient volume

increased from 22 in 2011, to 173 in 2019. Over these eight years, the team has performed 1,035 congenital heart surgeries, including 874 pediatric cases and 161 adult cases.

Quality, not just quantity, is the gauge by which leading programs are measured, and UW Health has performed superbly.

As publicly reported by the Society of Thoracic Surgeons (STS) in its Congenital Heart Surgery Database, UW Health's mortality rate has consistently outshined the STS national average (1.2 percent for UW Health versus 2.8 percent nationwide, based on the most recent four-year data set). Moreover, UW Health's average hospital stay has been significantly shorter than the national average for nearly every type of congenital heart surgery patient.

In 2019, the program received—for the first time—STS's most elite "three-star" designation, based on congenital heart

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## Helping a Young Patient Overcome a Major Heart Defect



Laura and Addison Boeckmann

Addison Boeckmann is an adorable, energetic and happy little girl who will turn 4 in February 2020. Seeing her today, you would never know that she was born with hypoplastic left heart syndrome, one of the most complex, life-threatening heart anomalies.

"I was 18 weeks pregnant with Addison when her heart defect was detected on an ultrasound," recalls her mother, Laura Boeckmann of Eau Claire, Wisconsin. "It was a big blow, but we had so much support and outstanding care both before and after Addison was born."

Expectant mothers seldom anticipate this kind of news during pregnancy, says UW Health pediatric fetal cardiologist and SMPH associate professor of pediatrics Shardha Srinivasan, MD, but most are grateful for the time to learn and plan following prenatal diagnosis of a major heart defect.

Babies like Addison have a severely underdeveloped left ventricle, leaving them to function for life with essentially half a heart. They typically require three separate surgeries that significantly re-work the heart's "plumbing" to give the child the best chance for long-term survival. UW Health Pediatric Cardiothoracic Surgeon Petros Anagnostopoulos, MD, performed Addison's first surgery (Norwood procedure) on Day 3 of her life; her second

(Glenn procedure) at  $4\frac{1}{2}$  months; and her third (Fontan procedure) at  $3\frac{1}{2}$  years.

"Addison has flown through all of this very well," says her pediatric cardiologist, Susan MacLellan-Tobert, MD, of Gundersen Health System. "I enjoy working with the UW Health team in caring for patients like her. Addison is doing great, and her family can look forward to a wonderful life for their daughter."



Addison Boeckmann, about six hours after birth

PHOTOS BY TODD BROWN

## Middleton Society Dinner

HISTORIC NUMBER OF NEW MEMBERSHIPS FURTHER ACCELERATES SCHOOL'S MISSIONS



n welcoming more than 200 guests to the September 2019 Middleton Society dinner, Robert N. Golden, MD, dean of the University of Wisconsin School of Medicine and Public Health (SMPH), exclaimed, "I'm thrilled to be here with you to mark a record-breaking year of growth for the Middleton Society, the prestigious philanthropic group of our most loyal and ardent friends and supporters."

In the past year, 594 new members joined the society—the largest group in its 30-year history—bringing the total membership to just over 4,300.

"I heartily applaud both our long-time members and the new members of our family," Golden said.

Among the new members in attendance was Joel Adler, MD '10, MPH (PG '19), who recently started a position as a kidney and pancreas transplant surgeon at Brigham and Women's Hospital in Boston.

"I wanted to attend this dinner because it was my first year as part of the Middleton Society, and I wanted to meet other alumni who maintain strong ties to the school. Since I no longer live in Madison, it's a great way to stay connected," shared Adler.

Keynote speakers Anne Giroux, Colleen Penwell and Avtar Roopra, PhD, associate professor of neuroscience, described Lily's Luau, a decade-long effort founded by Giroux and Penwell to build awareness and raise money for epilepsy research. Roopra's lab has received Lily's Fund grants.

"Anne and Colleen, with an army of volunteers, have raised an incredible amount of money, all of which is directed to research at UW-Madison," Golden said, adding that the Middleton Society also helps further the school's missions in research, patient care and education.





Top row (left to right): Anne Giroux, Avtar Roopra, PhD, Colleen Penwell; M4 Michael Tao, Sydney Morris. Second row: Ben Abeyta, MD '12, Emily Abeyta, MD '12, Joel Adler, MD '10, MPH (PG '19), Jennifer Krupp, MD '05 (PG '09, '12), Michael Krupp. Third row: M2 Scott Odorico, M2 Shruti Rajan, Gwen McIntosh, MD '96, MPH; Thomas Oglesby, Dolf Pfefferkorn, MD '57, Carol Pfefferkorn, Michelle Oster, Diane Rambousek, Randy Zakowski, Laura Zakowski, MD '90 (PG '96). Bottom row: M2 Josh Bodnar with guests; Pete Schmeling, Robert Steiner, MD '87 (PG '90), Sandra Steiner.













# Center for Special Children

21ST CENTURY MEDICINE HELPS AMISH DEAL WITH RARE, INHERITED ILLNESSES

here is no car in the driveway, neither phone nor electricity in the house. Handmade clothes dry on the line.

It's fall 2018, and La Farge physician James DeLine, MD (PG '83), has brought us to talk with Barbara and Daniel Hochstetler, part of the large Amish community in Wisconsin's Driftless Region.

Six of their 11 children live with sitosterolemia, an extremely rare disease that can cause joint damage, stroke or heart attack, due to accumulations of a plant-based fat akin to cholesterol.

DeLine has practiced family medicine in La Farge since 1983, when he completed his residency in the University of Wisconsin School of Medicine and Public Health's (SMPH) Department of Family Medicine and Community Health. In 2014, he founded the Center for Special Children to care for Wisconsin's large concentration of Amish or Old Order Mennonite people.

Rural doctors pride themselves on being able to treat a wide range of conditions in their patients, but DeLine's practice brings him face to face with many rare genetic conditions that were present when the Amish and Mennonites immigrated from Europe to America and then Wisconsin.

And that, in turn, has brought DeLine into a close collaboration with specialists at UW-Madison who have developed tests and suggested treatments for some of those conditions, including sitosterolemia.

Quietly, DeLine and the Hochstetler parents recounted how they learned that the family carried a gene for the rare disease. Years earlier, one of their sons had been seen at the La Farge clinic with painful arthritis and large lumps in his limbs.

"Later, when we discovered that a relative of his mother had sitosterolemia, we thought back to this young man, and with some searching, we found him, had gene testing done at UW-Madison, and discovered that he too had the disease," he says.

DeLine's goal in starting the Center for Special Children was to attend to the particular health needs of the Amish and Old Order Mennonite families in Wisconsin. The program exists within the La Farge Medical Clinic, also started by DeLine, which now is part of Vernon Memorial Health Care.



James DeLine, MD (PG '83), near the clinic he founded to care for the Plain community.

After beginning medication and changing his diet, the Hochstetlers' son's elbow lumps began melting away, notes DeLine, who adds, "He has had no further arthritis, and his exercise tolerance has improved."

Eventually, with genetic testing at UW-Madison, sitosterolemia was diagnosed in six of the 11 Hochstetler children. Only then did Daniel Hochstetler volunteer that he had heart pain (likely just "age catching up

with me," he says) during heavy exertion. It actually was caused by a buildup of plaque in his heart arteries. After starting the same drug as his children, he has improved, though he can "still feel it once in a while if I exert myself," he says.

#### In the Tradition of Family Doctoring

DeLine has become an expert in the culture, family relationships and medical needs of the Amish and Old Order Mennonites, sometimes called the "Plain" people.

Amish and Mennonite families avoid technologies that they feel would endanger the social cohesion that is key to their survival. Thus, they do not own motor vehicles or use telephones or electricity in the home.

Although their acceptance of technology is highly constricted by culture and religion, the Plain benefit from DeLine's hybrid of 19th century rural doctoring with 21st century genetic medicine.

The genetic work has relied on clinicians from the SMPH and on testing at the UW-Madison State Laboratory of Hygiene. The lab has developed fast, low-cost diagnostic tests for more than 30 conditions afflicting Plain populations in Wisconsin.

Vanessa Horner, PhD, director of cytogenetic services and molecular genetics at the State Lab, says that once a test has been developed and validated, it becomes a "clinical assay" that must be performed in a certified laboratory such as hers. "It's a highly regulated, rigorous testing environment."

Funding for these tests and related activities came from grants totaling \$800,000 from the SMPH's Wisconsin Partnership Program.

"Addressing the health care needs of Wisconsin communities is a priority for the Wisconsin Partnership Program," says Richard Moss, PhD, who chairs the program's Partnership Education and Research Committee.

"This team's innovative and successful community-engaged research has resulted in increased newborn screenings and affordable genetic testing that have the potential to spare our state's Plain families from fatal medical conditions and costly hospitalizations," adds Moss.

One newborn screening test created at UW-Madison, for example, detects maple-syrup urine disease, which prevents the normal breakdown of certain amino acids from food. Left untreated, the disease causes toxic byproducts that attack the brain and other organs immediately after birth.

According to Mei Baker, MD, co-director of newborn screening at the State Laboratory of Hygiene, which developed the test, "We make special arrangements for lab testing beyond regular working hours. The midwife collects a blood sample, and a hired driver delivers it immediately to our lab. Six or eight hours after birth, we have results, and clinicians at Waisman Center advise the parents on an appropriate formula to avoid symptoms. This service is free of charge, and you cannot do any better than that."

Genetic diseases among the Plain arise from "founder mutations" that were present in the Amish and Old Order Mennonites who immigrated to America in the 19th century. A second "genetic bottleneck" occurred among smaller groups that moved to Wisconsin, starting about a century ago.

Most of the genetic diseases DeLine sees can be treated if not cured, he says.

#### Mixing Old and New

DeLine's long and deep experience with many Amish families, and his anthropological knowledge of family relationships are part of his doctor's toolkit, as are home visits.

Christine Seroogy, MD, professor, SMPH Department of Pediatrics, is a longtime collaborator in the effort to bring 21st century health care to Wisconsin's Plain populations.

"Dr. DeLine talks about how helpful it is to see a child in the home, surrounded by siblings, grandparents, parents," says Seroogy, who is one of several UW-Madison colleagues who provide outreach clinical services with the Center for Special Children. "It's been quite an experience, and an honor, to take part in those home visits."

She adds, "Home visits were not part of my medical training, but it's how doctors used to practice, and Dr. DeLine still does."



Christine Seroogy, MD

When Seroogy began working with DeLine in 2007, one focus was severe combined immune deficiency (SCID, or "bubble boy") disease. Though fatal, SCID can be detected with newborn screening and treated with a bone marrow transplant. Over the years, she has worked closely with DeLine, newborn screening experts at the State Laboratory, and Plain families to improve SCID diagnosis and treatment.

Whereas with other conditions, a genetic diagnosis can keep patients out of hospitals and help avoid unnecessary, costly tests.

DeLine says, "When we must deliver news about a child with a lethal genetic disorder, if the family knows what's going on—sad though it is—it's a gift to the family to take the child home and care for them surrounded by their community and their family."

He concludes, "It's hard to treat something you don't recognize and understand. Each time a new genetic condition is identified, the search for a cure can begin." CLINT THAYER/DEPARTMENT OF MEDICINE

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## Wisconsin Partnership Program Helps Improve Health Care for Amish Infants

As a pediatric immunologist,
Christine Seroogy, MD, a professor in the
Department of Pediatrics at the University
of Wisconsin School of Medicine and Public
Health (SMPH), saw tragic and serious
medical conditions that faced Wisconsin's
Amish and Old Order Mennonite people,
collectively called the Plain communities.

Members of the Plain population have an increased frequency of inherited genetic diseases. Such conditions can be fatal or result in permanent disability and costly hospitalizations, but many can be diagnosed and treated if they are detected early through newborn screening. However, not all Plain infants undergo newborn screening. In fact, it was estimated that potentially several hundred Amish babies did not undergo newborn screening in Wisconsin each year, putting them at risk for death or serious disability.

This realization inspired Seroogy and a team of collaborators at the SMPH to work toward improving health care for Wisconsin's Plain families.

Since 2013, the SMPH's Wisconsin Partnership Program has supported Seroogy's efforts. Funding has bolstered the team's work to establish a strong community-academic partnership, enhance trust within the Plain communities, expand newborn screening tests and further the knowledge regarding genetic disorders present in the state's Plain people.

Seroogy initially received a grant from the Wisconsin Partnership Program to improve access to approachable, culturally appropriate, high-quality and affordable health care for Plain children. The project's goals were to increase understanding of perspectives regarding newborn screening, improve community outreach, and implement assays to define genetic disorders and inform the development of low-cost genetic testing.



The Wisconsin Plain Community Project, led by Christine Seroogy, MD, received a 2017 Community-University Partnership Award from UW-Madison Chancellor Rebecca Blank. Pictured at the awards ceremony are, front row (left to right): Chancellor Rebecca Blank, Mei Baker, MD, Gretchen Spicer, CPM, Ellen Wald, MD, James DeLine, MD (PG '83), Ashley Kuhl, CGC, Leslie Orrantia; back row: Murray Katcher, MD '75, PhD, Christine Seroogy, MD, Greg Rice, MD '00 (PG '08), Jessica Scott Schwoerer, MD '05, Jennifer Laffin, PhD, Kyle Bakkum.

A second Partnership Program grant supported efforts to improve health care delivery and utilization through community engagement, as well as training of health care workers in western Wisconsin.

These grant activities have resulted in improved newborn screening rates and increased knowledge and identification of genetic disorders in the Plain population. Also, specific variant tests are available for affordable testing for 30 genetic diseases.

"Progress and success are based upon the relationships and trust we've built in this community," says Seroogy.

"When a baby is born with a critical heart condition, and we are able to make a genetic diagnosis in a matter of days, we give the family and doctor a definitive diagnosis that leads to valuable information about life-saving treatments," she explains.

An integral collaborator is James DeLine, MD (PG '83), who founded the Center for Special Children as a dedicated space for the care of children with genetic conditions (see main article). The collaboration continues to improve the health of Plain children in Wisconsin, and it also has translated to biomedical research projects, informed approaches to medical care for all children and improved educational experiences for many UW-Madison students.

"Funding from the Wisconsin
Partnership Program has been invaluable
in helping us improve health care delivery
for Amish infants," says Seroogy. "What
we are learning about genetic disorders
and how to treat them gives us knowledge
that transcends culture and translates into
potential health care improvements for all
children in Wisconsin."

Seroogy now is using a three-year Partnership Program grant to expand the Wisconsin Infant Study Cohort, the only farm-based birth cohort study in the United States. This award expands the study to include Amish infants. It will help determine the interaction between the environment and immune function related to allergic diseases, and it may provide a model for early detection and prevention of allergic diseases.

## On Wisconsin!

#### TRADITIONS ABOUND AS ALUMNI CELEBRATE HOMECOMING



Peter McCool, MD '04 (in striped bib overalls), and his family, including three young Badger fans.

adger Spirit was palpable as nine classes of medical school graduates came together over Homecoming Weekend, October 11 and 12, 2019. Whether they drove just a few miles or flew halfway across the country, alumni eagerly reconnected with classmates and reflected upon the years they shared at the University of Wisconsin School of Medicine and Public Health (SMPH).

The Wisconsin Medical Alumni Association's (WMAA) festivities began on Friday afternoon, with tours of UW Health's Med Flight hangar and the SMPH's newly renovated Clinical Teaching and Assessment Center.

That evening, the school's Office of Multicultural Affairs held a reception in the Health Sciences Learning Center atrium, and the WMAA hosted a Badger BBQ Bash at the Best Western Premier Park Hotel on the Capitol Square.

Excitement continued on Saturday at the WMAA Tailgate Party at Union South, followed by the UW vs. Michigan State football game at Camp Randall. Having never missed a class reunion, Jeanine M. Swenson, MD '89, FAAP, FACC, LMFT, was eager to attend her 30-year celebration, as well. Five years ago, she had to miss the tailgate party, which meant she missed seeing some classmates, too.

"I won't make that mistake again, so I attended all of the events this year," exclaims Swenson, who is a marriage and family psychotherapist and pediatric consultant at Lakeshore Psychology Services in Mequon, Wisconsin.

















"The weather was fairly cold outside, but the indoor tailgate party was nice and warm. We had a great turnout, so I got to visit with lots of people," she recalls.

She and her husband, Todd Swenson, MD '89, met on their first day of medical school, served as anatomy lab partners, and got married after their SMPH graduation. He now works for Blount Orthopedic Clinic in Milwaukee. The couple has three adult children. Like many class representatives,
Jeanine Swenson has established a
Facebook page: "Med Plighted: UW Med
School Class of 1989, The Next Chapter."
Because her classmates live "all over, from
Alaska to Maine," she encourages them to
keep in touch on Facebook.

Top row, (left to right): Jerry Behrens, MD '66 (PG '73), and Mary Behrens; Tina Sauerhammer, MD '03 (PG '09), Steven Wiesner, MD '85; Theodore Berndt, MD '66 (PG '69, '70), and Nancy Berndt. Middle row: Musicians from the UW School of Music; Adam Loomans, Amanda Jackson, MD '04, Daniel Jackson, MD '03 (PG '10), Rachel Loomans, MD '09. Bottom row: Sandra Petersen, MD '79, F. Martin Brutvan, MD '79; Jake Behrens, MD '09 (PG '13), Brooke Meyers; Callie Hansen, MD '12, Bob Zemple, MD '12, Brian W. Hong, MD '11.

## **Class Reunions**



## 1974

Front row (left to right): James Lundeen, Nancy Homburg, Barbara Quissell, William Scheibel. Back row: Dean Schraufnagel, Milton McMillen, David Good, David Hendrickson.



1979

Front row, kneeling (left to right): John McDermott, Joseph Drinka, David Hansmann, Michael Richter, Timothy Turnbull, Don Wackwitz. Middle row, standing: F. Martin Brutvan, Sandra Petersen, Ann Bartos Merkow, Lauree Thomas, Jean Thierfelder, Jill Harman, Maureen Mullins, Peter Foote, James Klamik, John Harting (PhD). Back row: Dirk Fisher, Mark Froemming, Jeffery Scherer, Randy Kalish.



## Class of **1984**

Front row (left to right): Tim Harder, John Brusky, Mary Braza, Karin Madsen Drescher, Ann Holmquist West, Michael Meyer. Back row: Jeffrey Blink, Matt Doering, Jerome Andres, Wendy Hanneman, Julie Black Harder, Mark Fenlon, James Berman.



Class of **1989** 

Front row (left to right): Tom Brucker, Monica Almanza, Tim Jahn, Tom Sheedy, Felix Ankel, Jim Shropshire, Sonya Bosser Schroeder, Michelle Cihla, Jeanine Harding Swenson, Andy Pankow. Back row: Beth Ciurlik, Rickey Snipes, Kelly Clark, Rose Turba, Steve Hunter, Mike Deiparine, Jon Cherney, Todd Hart, Mike Philbin, John Ingalls, Glenn Smith, Dan Gutenberger, Ross Lange, Douglas Wheaton.



Class of **1994** 

Front row (left to right): David Oh, Jennifer Norden, Nikhil Wagle, Grant Macaulay, Kevin Wasco, Natalia Fudim, Archna Hendricks, Karen Swanson, Sabina Singh, Dorris Powell-Tyson. Back row: Rudy Lin, Walter Howard, Christopher Smith, Walter Orzepowski, Scott Dresden, Lynda Siewert, Kristine Flowers, Mark Moss, Stephen Shapiro, Douglas Hendricks, Wendy Hill, Jewel Market, Sonja Green Kim.



Class of **1999** 

Front row (left to right): Mark Norden, Andrew Wagner, Kristin Lione, Gloria Akan, Gavin Pittman, Molly Herr, Ponrat Pakpreo, Kristen Reynolds. Back row: Michael Greene, Eric Olafsson, Gus Park, Tim Larsen, Eric Brouch, Kent Kramer, Kristin Mekeel, Mark Herr, Kevin Keele.



## 2004

Front row (left to right): Catherine Skagen, Jessica Sosso, Karolyn Davidson, Julie Gerig, Christina Hook, Tracy Capes. Back row: Thomas Syverud, Doug Newton, John-Michael Khalil, Peter (Falk) McCool, Jen Foster, Amanda Jackson, Ben Walker, Stephen Randall.

## Class of **2009**

Front row (left to right):
Kirstin Nackers, Christopher
Miller, Erin Grinhaug, Adam
Gepner, Sarah Galewyrick,
Veronica Makhija. Back row:
Matthew Johnson, Joseph
Weber, Analisa Calderon,
Jason Jagodzinski,
Sean Bruggink, Andrew
Navarrete, Christopher Luty,
Rachel Loomans.





## Class of **2014**

Left to right: Trista Stankowski-Drengler, Bucky Badger, Barrett Wagner.



#### **JOHN SCHWARTZ, MD '76**

fter an internal medicine residency at a University of Wisconsin School of Medicine and Public Health (SMPH) affiliate in Milwaukee, followed by a nephrology fellowship in St. Louis, I returned to Milwaukee to work at my home training hospital for the next 10 years. I then migrated to Dallas, where I worked for the past 30 years. I was involved with general nephrology for several years, and I ultimately got involved with practice management, serving as the compliance officer for 15 years. In my final

years working, I directed the nephrology fellowship program for a large local training center. I am now retired, but I still dabble in fellowship education, and I have started to create a nephrology reference electronic library for my group.

I chose nephrology during my fourth year of medical school. Drs. David Simpson, Richard Rieselbach (nephrology) and Peter Burkholder (renal pathology) were role models at the SMPH. Nephrology appealed to me because nephrologists seem to have unique insights into the workings of the entire body, rather than a single organ system.

A memorable case involves my discussions with an elderly English professor who was approaching end-stage renal disease. He taught me a lot about life and death with those frank discussions. Ultimately, he chose conservative, non-dialytic support and died 10 months later without ever feeling bad or having a hospitalization. It was my first venture into palliative nephrology, decades before the discipline existed.

My advice to medical students (not just for



nephrology) came to me from Dr. Donald Khan (cardiovascular surgery), who was my mentor during medical school. He told me that your medical career really has only two goals: to find your passion (which is hard), and to put in enough time and effort to become good at it (which is harder yet).

#### **SUZANNE NORBY, MD'95**

completed an internal medicine residency and nephrology fellowship at Mayo Clinic in Rochester, Minnesota, and in 2001, I joined its faculty. I am the director of the nephrology fellowship, vice chair of the Division of Nephrology and Hypertension, and assistant dean for student competency and professional standards for the Mayo Clinic Alix School of Medicine.

As a general nephrologist, I care for patients with a variety of acute and chronic kidney problems, including those with kidney transplants and those requiring dialysis. For nearly 15 years, I cared for a gentleman who had steroiddependent focal segmental glomerulosclerosis and slowly progressive chronic kidney disease. We found a regimen that minimized steroid exposure, prevented relapses and avoided end-stage kidney disease. I will always remember how he and his wife approached his chronic illness, complicated medication regimen and dietary restrictions with graciousness and humor. When he eventually died from an unrelated illness, it almost felt as though I had lost a family member.

I found the nephrology subject matter challenging in medical school. In a residency rotation on the kidney transplant service, I saw how a transplant could tremendously improve quality of life. This helped me realize that I could master the field's steep learning curve.

Involvement with
the American Society of
Nephrology (ASN) has allowed
me to develop education
leadership skills and work
with incredible colleagues
nationwide. I have served as a
member of education-related
committees and now chair the



ASN's Continuous Professional Development Committee.

I encourage medical students and residents to consider nephrology. We care for patients with disorders across the spectrum of severity, develop long-term relationships with patients and work on multidisciplinary teams. We are able to make a difference in people's lives.

#### **DAWN WOLFGRAM, MD'07**

am an associate professor of medicine at the Medical College of Wisconsin in Milwaukee. I also am the chief of the Section of Nephrology at the Veterans Administration Medical Center, where I care for veterans with kidney disease, including disorders of electrolytes, resistant hypertension, vasculitis and kidney stones. I conduct research on cognitive and functional outcomes in older adults with kidney disease.

Nephrology allows for long-term physician-patient relationships. I have been a

nephrologist for seven years and have known some of my patients that long. They often ask how my "babies" are doing, as they remember my pregnancies from four and seven years ago. Usually, we both are surprised at how much time has passed.

A memorable patient early in my career was a veteran with years of resistant hypertension on seven blood pressure medications. I found his hypertension was due to hyperaldosteronism, and he had the hyperactive gland removed. At our next visit, he

was bursting with excitement, eager to tell me how great he felt after being able to stop all those pills. A simple diagnosis had changed his life.

The opportunity to treat a wide variety of acute and chronic diseases makes this field appealing to me. I discovered my enthusiasm for nephrology during my internal medicine residency at the University of Michigan. In hindsight, I remember my interest during the renal-respiratory unit in medical school, when Dr. A. Vishnu



Moorthy explained how to interpret arterial blood gases.

Nephrology can be humbling, challenging and rewarding. The field is diverse and has something for everyone, but most nephrologists enjoy solving a good puzzle

## Class Notes

## We want to hear from you! med.wisc.edu/shareyournews

#### Correction

In the Class of 1969 photo caption on page 17 of *Quarterly*, Volume 21, Number 3, 2019, we listed George Page, MD '69, in the far right of the first row. That person is Alexander Foltz, MD '69. We regret the error.

## Class of **1960**

#### Leslie Klevay,

inspired by aerobics exercise pioneer Kenneth Cooper to record his exercise, reached the equivalent of riding three times around the equator via bicycle on July 4,



2019. He lives in Grand Forks, North Dakota. Klevay received the Wisconsin Medical Alumni Association's Medical Alumni Citation Award in 2013 and is looking forward to his class reunion in spring 2020.

## Class of **1965**

# J. Timothy Harrington received the 2019 Distinguished Clinician Scholar Award by the American College of Rheumatology (ACR). The annual award is



presented to an ACR member who has made outstanding contributions in clinical medicine, clinical scholarship or education. He recently co-authored the book *Great Health Care Value: Chronic Diseases, Practice Teams and Population Management* with Andrew Johnson. A rheumatologist, Harrington is a retired professor of medicine from the UW School of Medicine and Public Health.

## 1984

#### **Ronnye Purvis**

has been practicing medicine in Meridian, Mississippi, since 1989. He completed two years of public health and opened a solo practice in



obstetrics and gynecology in 1991. He has a daughter, Lauren, who is a pharmacist in Chicago, and a son, Chance, who is a junior at East Carolina University, where he studies criminal justice and is a starting defensive end on its football team. Purvis has delivered more than 14,000 babies in his community and has served as a board trustee at Meridian Community College for the past 25 years. He also is a partner in four Hilton Hotels in Mobile and Huntsville, Alabama, and Meridian. He is thankful for the quality of education he received at UW-Madison.

#### IN MEMORIAM

David S. Arvold, MD '46 Shawano, Wisconsin August 21, 2019 Robert E. Cullen, MD '52 Fond du Lac, Wisconsin July 2, 2019 Pierre E. Slightam, MD '58 Green Bay, Wisconsin June 24, 2019 Harley C. Wahl, MD '63 Shoreline, Washington June 16, 2019

William S. Dietrichson, MD '48 Southern Pines, North Carolina June 27, 2019 Robert A. Kebbekus, MD '52 Milwaukee, Wisconsin June 6, 2019 Richard J. Brown, MD '59 Oro Valley, Arizona August 21, 2019 W. Bradford Martin, MD '69 Whitehall, Wisconsin June 19, 2019

Raymond R. Watson, MD '48 Gainesville, Florida May 14, 2019 Mark W. Shulkin, MD '54 Bala Cynwyd, Pennsylvania August 24, 2019 Russell N. Sacco, MD '60 Lake Oswego, Oregon June 4, 2019

Athena R. Randolph, MD '86 Lake City, Florida October 25, 2019

Florian J. Ragaz, MD '49 Marion, North Carolina October 14, 2019 Frederic W. Jansen, MD '55 Oceanside, California August 27, 2019

Samuel B. Johnson, MD '63 Madison, Wisconsin July 11, 2019

#### Former Faculty Member

Dean D. Manning, PhD Madison, Wisconsin May 21, 2019

## Meeting about Change in WMAA's Corporate Status

STRONG ALUMNI RELATIONS AND GOVERNING STRUCTURE WILL CONTINUE

appy New Year alumni and friends! I hope you are enjoying this issue of Quarterly! As you will read in several articles, the Wisconsin Medical Alumni Association, Inc. (WMAA), makes a positive impact as we work with our members to support the University of Wisconsin School of Medicine and Public Health's (SMPH) missions.

Many alumni may not realize that the WMAA was created in 1956 as a non-stock corporation. Over the past 64 years, the landscape has changed significantly. Now, maintaining the non-stock corporation costs nearly \$10,000 per year and causes a heavy administrative burden on WMAA staff. As detailed here, the time is right to consider retiring the old structure and moving toward a less costly, more efficient model. Consistent with the WMAA's mission to be good stewards of its resources, our WMAA executive committee feels that the association will be best served by fully tapping into the infrastructure of the SMPH. This will allow the WMAA to focus even more keenly on providing excellent services for our alumni and students.

We have the full support of SMPH Dean Robert N. Golden, MD, for the proposed new structure, which will uphold the WMAA's existing governance, board of directors, bylaws, strategic plan, space and staffing. As always, your gifts to the WMAA will continue to be deposited at the UW Foundation to bolster WMAA programmatic activities, student initiatives and scholarships.

I encourage you to read the following documentation, which will be discussed and voted on among the WMAA members who attend the WMAA's annual meeting. If you have any questions, you can call me at (608) 263-4915.

Please rest assured that your WMAA will continue to be as strong as ever! On Wisconsin!

—Karen Peterson, executive director, Wisconsin Medical Alumni Association

#### Background

As a result of recent legal issues involving the fundraising foundation at a different UW System campus, the State of Wisconsin Legislative Audit Bureau (LAB) conducted a review of non-profit organizations affiliated with UW System campuses. The WMAA was one of the organizations specifically reviewed by the LAB. Although no fiscal irregularities were identified with respect to WMAA, questions were raised about the WMAA because it is operated by University employees out of University space. Under a new UW System policy, affiliated non-profits that receive administrative support from UW System campuses are subject to new annual disclosure and reporting requirements, and must reimburse campuses for the full value of services and space provided by campuses to the affiliates, including overhead. This new UW System policy led the SMPH to examine the relationship between WMAA and SMPH, and whether the benefits of WMAA remaining a separate legal entity from SMPH outweigh the burdens. SMPH has concluded that the traditional mission and structure of WMAA can be replicated within SMPH as an advisory body to the Dean, creating financial efficiencies while still allowing WMAA considerable latitude to establish funding priorities and manage funds raised by the WMAA.

Accordingly, a proposal whereby WMAA would transition from a non-stock Wisconsin corporation to a program within the SMPH will be presented for approval by the Board and the voting members of WMAA at the annual meeting on Friday, April 24, 2020. The transition would include



Left to right: Karen Peterson, Andrea Larson and Maureen Brady of the WMAA, with Bucky Badger.

formally dissolving the non-stock Wisconsin corporation status of the WMAA, and reestablishing WMAA as an advisory body within SMPH with its traditional mission and structure intact.

Dissolution is recommended because its current status as an independent non-profit corporation results in administrative costs of nearly \$10,000 per year. In addition, a recent UW System policy regarding affiliated organizations will impose additional record-keeping and financial burdens on the WMAA and SMPH.

At the spring 2019 meeting of the WMAA Board of Directors, SMPH Dean Robert N. Golden, MD, stated that dissolution of the WMAA's corporate status will not change WMAA's governance structure, board of directors, bylaws, strategic plan, space or staffing. Funds raised by WMAA will continue to support programmatic activities, student initiatives and scholarships for students.

All funds raised by the WMAA will continue to be deposited into existing

-continued on page 26

## WMAA Annual Meeting Notice

FRIDAY, APRIL 24, 2020 • 3:30-4:00 PM

Memorial Union, 800 Langdon Street, University of Wisconsin-Madison

#### Agenda:

- 1. Election of officers and directors to the WMAA Board of Directors.
- Proposal to dissolve the non-stock corporation status of the WMAA.See background and summary of plan of dissolution above.

## New WMAA Board Members

#### WELCOMING SIX ALUMNI WHO ARE MAKING A DIFFERENCE

s of July 1, 2019, six University of Wisconsin School of Medicine and Public Health (SMPH) alumni joined the Wisconsin Medical Alumni Association (WMAA) Board of Directors for their initial three-year terms. The new members are:

- Callie Hansen, MD '12
- Brian W. Hong, MD '11
- Rachel Loomans, MD '09
- Tina Sauerhammer, MD '03 (PG '09)
- Rom Stevens, MD '82
- Sarah Tevis, MD '10 (PG '17)

Karen Peterson, WMAA executive director, thanks these new members and all of the continuing board members for their dedicated service to help advance the SMPH's missions.

#### Callie Hansen, MD '12



#### Your current practice?

I am in private practice in pediatrics in Northern Virginia, just outside of Washington, DC. With 12 doctors, we are a big practice!

## Your fondest memory of the SMPH?

I had a great time at the Malpractice and Black Bag balls—defeating the Law School in the Dean's Cup competition was always fun. Fourth-year anatomy also was a great experience because it offered the opportunity to re-learn things that had become more applicable to me than they were the first time. Plus, I enjoyed being back in the classroom with people I hadn't seen in a while due to our rotations.

## SMPH faculty member you most remember and why?

Dr. Gary Lyons was a great teacher; he managed to make cell biology interesting despite the topic's sometimes dry nature.

Also, Dr. Rebecca Sippel was really good at teaching and making sure we all knew what we needed about surgery before going off into our own specialties.

#### Your hobbies and interests?

In addition to volunteering at my local humane society and keeping up with my trivia team, I am active with our local Potomac Curling Club.

#### Goals for the WMAA?

There are a lot of Badgers throughout the country, and I love being able to get us together and support current students.

#### Brian W. Hong, MD '11



#### Your current practice?

I am a general surgeon at a 25-bed critical access hospital in New London, Wisconsin.

## Your fondest memory of the SMPH?

I enjoyed attending Dr. John Harting's entertaining neuroscience lectures, and I absolutely loved gross anatomy lab. Also, I was part of the Arrhythmias for two years, and I had a great time rocking out with my medical school classmates.

## SMPH faculty member you most remember and why?

Dr. Patrick McBride was an incredible dean of students. He always was a strong student advocate and put our education at the forefront. He was a great role model for students and always had his office door open to talk. When my son developed pyloric stenosis as an infant during my second year of medical school, Dr. McBride even stopped by my son's hospital room after his operation to check on my wife and me. He truly cared about students and treated us as part of his family.

#### Your hobbies and interests?

I enjoy playing the piano and singing. I have performed in Doctors in Recital, a musical group of physicians in the Fox Cities, to raise money for local programs. I also like to spend time outside with my family, whether we're enjoying the water, playing golf or walking some of the great trails in our area.

#### Family update?

My son is in 6th grade and my daughter is 3 years old. My wife, Katie McGinn, has been staying home with our daughter and is looking to get back into social work and mental health counseling.

#### Goals for the WMAA?

I would like to expand the involvement of young medical alumni in the WMAA. We are fortunate to have been able to attend medical school and become well-trained physicians. Early in practice, our time often is limited, but I think we still can contribute and have a connection to the school that has given us so many opportunities. I think we can further the

connections among alumni and with current medical students.

#### Rachel Loomans, MD '09



#### Your current practice?

I am in a private practice radiology group, Wisconsin Radiology Specialists, which covers the Ascension Wisconsin hospitals and clinics in the greater Milwaukee area.

## Your fondest memory of the SMPH?

Highlights were first-year anatomy class, the Dean's Cup, participating in the Medical Student Association and doing clinical rotations across Wisconsin to learn how medicine is practiced in different settings. Overall, I remember how friendly everyone was at the SMPH.

## SMPH faculty member you most remember and why?

Dr. Patrick McBride stands out above the rest for me. He is a fantastic leader and teacher with true compassion for all students.

#### Your hobbies and interests?

I spend most of my free time with my family, including my two daughters, ages 9 and 7 years old, and my husband. In addition to shuttling my daughters to various activities, I enjoy running and have completed three marathons since 2017, including the Boston Marathon in April 2019. I am looking forward to the London Marathon in April 2020!

#### Goals for the WMAA?

I am excited about getting more involved with alumni and the SMPH to give back to the school that gave me so much.

## Tina Sauerhammer, MD '03 (PG '09)



#### Your current practice?

I recently left a large multi-specialty group practice to start my own private practice—Wisconsin Institute of Plastic Surgery—in Wisconsin's Fox Valley area. The practice opened in October 2019.

## Your fondest memory of the SMPH?

My favorite memory is the opportunity to return to my hometown, Green Bay, Wisconsin, for my fourth-year family practice rotation, in which I worked with physicians whom I knew growing up. Even though I didn't enter family practice, I had fun working in my hometown. Little did I know that I would practice in the area 10 years later!

## SMPH faculty member you most remember and why?

I will always be grateful to former Dean Philip Farrell for his leadership during medical school and for his support during my year as Miss Wisconsin.

#### Your hobbies and interests?

Music has always played an important part in my life. I play the cello and perform regularly in Doctors in Recital, a group of Green Bay physicians who hold an annual concert to benefit a good cause. As a former Miss Wisconsin, I continue to be involved in the Miss America Organization, for which I have judged five state pageants in the past five years.

#### Family update?

My husband, Kyle Dean, and I celebrated our fourth wedding anniversary in 2019. We have two daughters, Sofie, age 2, and Stella, 3 months.

#### Goals for the WMAA?

My goals for the WMAA are to increase engagement of alumni in Green Bay and the Fox Valley, and to facilitate local mentors for students, as this had such a significant impact on my medical school experience.

#### Rom Stevens, MD'82



#### Your current practice?

I am an attending anesthesiologist-intensivist in the Advocate-Aurora Healthcare System, where I practice intensive care medicine at Aurora St. Luke's Medical Center in Milwaukee. I retired from the U.S. Navy after more than 36 years of commissioned service, with deployments to Iraq, Afghanistan and East Africa.

## Your fondest memory of the SMPH?

My fondest memories of medical school were our anatomy labs. I often wish I had been a more diligent student of anatomy.

## SMPH faculty member you most remember and why?

Drs. James Pettersen and John Harting were stellar teachers.

#### Your hobbies and interests?

I enjoy sailing, mountaineering, participating in wilderness medicine, bicycling, hunting, traveling in Europe, learning languages and studying history.

#### Family update?

My wife, Dr. Marianne Mikat-Stevens, is an anesthesiologist who works in a small community hospital in Illinois, following a 35-year career in academic anesthesiology. We have three adult children.

-continued on next page



#### Goals for the WMAA?

I want to contribute my talents in any way that the WMAA can best use them. One current project relates to the Humberto A. Rodriguez, MD '82, Memorial Scholarship, which we hope to increase to the point that the SMPH can offer a full-tuition scholarship for a Spanish-speaking medical student with financial need. I also would like to see the SMPH offer a full-tuition scholarship to deserving U.S. military veterans.

#### Sarah Tevis, MD '10 (PG '17)



#### Your current practice?

I specialize in breast surgical oncology at the University of Colorado in Denver.

## Your fondest memory of the SMPH?

I have so many amazing memories—from attending my first day in anatomy lab, to sitting in the front row of Dr. John Harting's neuroscience lectures, starting clinical rotations in my third year, and watching for my first time as a patient was cured of cancer by operation. I also have so many life-long friends from my time at the SMPH. It is so great to stay updated with *Quarterly* magazine and via social media updates from my friends and mentors from medical school!

## SMPH faculty member you most remember and why?

Again, it is hard to choose, but "Big John" (Dr. Harting) and Dr. Patrick McBride are the most memorable faculty members from my time in medical school. Dr. Harting demonstrated such passion for teaching neuroscience and made students feel as if we were part of his family. My husband and I loved chatting with him at Starbucks on the weekends, and we all loved hearing his funny stories about his family, which kept in perspective the need to make time for family and ourselves outside of training. Dean McBride was a constant presence and mentor throughout medical school. He always was available to listen, offer advice and support us. I have relied on him during many difficult times throughout my time in

medical school and beyond. I feel fortunate to have such great faculty mentors who are still part of my life.

#### Your hobbies and interests?

I love snowboarding, hiking, camping and enjoying all that Colorado has to offer with my family. And we love keeping up with Badger athletics from Denver!

#### Family update?

My husband, Lucas Tevis, and I got married in my third year of medical school—more than 10 years ago! We still have our two yellow labs, Tato and Gunner, who we adopted during medical school and shortly after Match Day, respectively. Our 6-year-old son, William (Will), follows Badger sports closely. We also have an 18-month-old daughter, Samantha (Sam), and a newborn baby girl, Olivia.

#### Goals for the WMAA?

My goals for the WMAA are to continue providing and building upon the great resources I benefited from when I was a student. I would love to expand our alumni network and have more events throughout the country, hopefully starting in Denver!

#### **Meeting about Change in WMAA's Corporate Status** from page 23

WMAA fund accounts, administered by the UW Foundation.

## Summary of WMAA Dissolution Plan

If dissolution is approved by a vote of the WMAA board and membership, the following steps will occur:

- Articles of Dissolution will be filed with the Wisconsin Department of Financial Institutions.
- 2. Final tax returns will be prepared for the period of 7/1/19 through the date of dissolution and submitted to the IRS and Wisconsin Department of Revenue.
- 3. Known liabilities and obligations against WMAA will be resolved by following

- the process outlined in Wisconsin Statutes section 181.1406. WMAA fund accounts at the UW Foundation will be amended, if necessary, to reflect the new organizational structure.
- 4. The remaining assets, all of which are held in a checking account at the UW Credit Union, will be transferred to the WMAA fund held at UW Foundation under the discretionary authority of the SMPH Dean and the WMAA Executive Director. These funds will continue to be dedicated for the express purpose of providing support for SMPH alumni, students and residents, and advancing the mission of the SMPH. Funds raised by WMAA members will be

deposited in the appropriate WMAA or SMPH account as in the past.

The organization will continue to be known as the University of Wisconsin Medical Alumni Association. The WMAA Board of Directors will continue to serve as an advisory body to the Dean of the SMPH and the Executive Director of the WMAA. The advisory body will continue the purposes of the WMAA as described in Article II of its bylaws, and shall advise the SMPH Dean and the WMAA Executive Director on expenditures from the fund(s) established with the assets of WMAA.

#### **Mending Tiny Hearts** from page 7

surgery outcomes between January 2015 and December 2018. Of 98 programs that publicly reported their outcome data, UW Health was one of only 10 to achieve three-star status.

Similarly, *U.S. News & World Report*, which rates programs at nearly 200 children's hospitals, recognized American Family Children's Hospital for its pediatric cardiology and heart surgery programs in its 2019-20 rankings. Among all pediatric heart programs in the nation, UW Health's came in at 39—a remarkable feat, given the program's nascent status just a decade earlier.

"These achievements are especially gratifying because our volumes are lower than virtually every other ranked program," shares Rebecca Minter, MD, the A.R. Curreri Distinguished Chair, SMPH Department of Surgery. "Higher volume is typically weighed heavily in the outcome ratings, so with our children's hospital being on the smaller side, the high quality of our outcomes stands out even more."

Never one to revel in glory, Anagnostopoulos is happy about the recognition and the program's growth, but he keeps things in perspective.

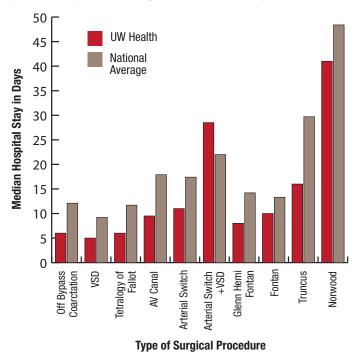
"A three-star STS rating doesn't mean your program is better than a two-star program," he says with characteristic humility. "It means that based on the risk profile of patients we see, our outcomes are better than what STS would expect. Our program's results also reflect highly on the tremendous physician and nursing talent across the team, from the pediatric intensivists in the pediatric intensive care unit, to pediatric cardiologists, pediatric heart surgeons and pediatric anesthesiologists. Our high-risk pregnancy specialists, neonatologists and neonatal intensive care unit staff also do an amazing job caring for mothers and babies."

#### **Partnering with Regional Providers**

Reflecting the Wisconsin Idea—that the entire state should benefit from the university's work—UW Health's Pediatric

#### **Shorter Hospital Stays**

(Source: Society of Thoracic Surgeons. Cases from January 2015 - December 2018)



Children who have open heart surgery typically spend fewer days in the hospital at UW Health compared to the median nationwide hospital stay.

Heart Program makes life more convenient for patient families by providing pediatric cardiology clinics at nine locations outside of Madison. From Wausau, Wisconsin, to Rockford, Illinois, these regional clinics save families hours of travel by allowing their children to be seen close to home by a UW Health pediatric cardiologist.

Moreover, physicians from other health systems have increasingly referred patients and families to UW Health when a child requires cardiac surgery or a highly advanced heart procedure.

"I could not do what I do as a regional pediatric cardiologist without a strong team in Madison to help with our most complex patients," says Susan MacLellan-Tobert, MD, of Gundersen Health



Susan MacLellan-Tobert, MD

System, based in La Crosse, Wisconsin. "When a child we care for needs surgery, a catheterization or an ablation, or if a mother needs to be seen by a fetal cardiologist, the UW Health team makes us feel like respected colleagues. This interaction is vital for providing streamlined care to our patients."

Looking forward, Anagnostopoulos and his colleagues believe there are opportunities to attract more patients from greater distances. At the same time, he and Ralphe want to preserve the "boutique" attributes of their program and not allow this to be compromised merely for growth's sake.

"The faculty members and staff we have recruited, as well as the families we see, truly appreciate our collaborative culture and family atmosphere," he observes. "That plays a big role in the 'DNA' of our program, and we hope to keep it intact for years to come."

#### Newton is New Chair of Biostatistics and Medical Informatics

Michael
Newton, PhD, is
the new chair of
the Department
of Biostatistics
and Medical
Informatics at
the University of
Wisconsin School



of Medicine and Public Health (SMPH). A leader in the use of statistical computing and inference in areas including genomics, molecular biology and cancer, he was interim chair of the department for the past year; his chair role was effective on October 1, 2019.

Faculty in the department advance the fields of biostatistics and medical informatics through their scholarly research. They also provide expertise for investigators across the full spectrum of research through their collaborations and consultations. Further, the department provides outstanding teaching within its own graduate programs and as partners in curricula within the SMPH and across the campus.

Newton also is affiliated with the
Department of Statistics in the UW-Madison
College of Letters and Science. He served
as co-director of the Cancer Genetics and
Epigenetics Mechanisms Program at the
UW Carbone Cancer Center and as co-director
of the Center for Predictive Computational
Phenotyping, a collaboration supported by
the National Institutes of Health Big Data to
Knowledge initiative, which partners with the
Morgridge Institute for Research and the
Marshfield Clinic Research Foundation,
SMPH, UW-Madison Graduate School and
the Wisconsin Alumni Research Foundation.

He earned master's and doctorate degrees in statistics from the University of Washington and is an elected fellow of the American Statistical Association and the International Statistics Institute.

#### Biostatistics and Medical Informatics Tapped for \$11.8M National Center

KyungMann Kim, PhD, professor, Department of Biostatistics and Medical Informatics, University of Wisconsin



School of Medicine and Public Health (SMPH), received a five-year, \$11.8 million award from the National Cancer Institute to establish and manage the Cancer Prevention Clinical Trials Network Data Management, Auditing and Coordinating Center (CP-CTNet DMACC).

The network—which comprises three leading academic organizations across the United States, each with 10 to 16 affiliated organizations, and the DMACC—conducts early-phase cancer prevention clinical trials. Such trials assess the safety, tolerability and potential of agents and interventions of varying classes to advance their further clinical development for cancer prevention.

The center is responsible for coordinating trans-network activities and providing expertise and resources in centralized data management and reporting, clinical trials auditing, and coordinating administrative and logistical functions for the network, including providing expertise in clinical trials methodology and biostatistics. It collaborates with the Frontier Science Foundation, which provides data management and research support to advance the application of statistical science, practice and data management techniques in science, health care and education related to diseases such as cancer and HIV/AIDS.

Julie E. Chang, MD (PG '03, '05), SMPH associate professor of medicine, will help coordinate clinical trials auditing for the center.

#### Native American Center Awarded \$1M Indian Health Service Grant

The University of Wisconsin School of Medicine and Public Health's (SMPH) Native American Center for Health **Professions** (NACHP) again received a competitive national grant to recruit American Indian and Alaska Native students into health care. The nearly





\$1 million, five-year Indians into Medicine (INMED) grant from the Indian Health Service of the U.S. Department of Health and Human Services is vital to increasing opportunities for American Indian and Alaska Native students at the SMPH, according to principal investigator Bret Benally Thompson, MD, clinical assistant professor, Department of Medicine, and Danielle Yancey, NACHP director (pictured above, respectively).

Objectives include providing career exposure to students, increasing qualified applicants, augmenting culturally responsive programming, supporting a sense of belonging and retention, and expanding American Indian and Alaska Native health-focused training.

This is the second time the competitive grant has been awarded to the NACHP, which partners with five Wisconsin tribal communities. Since the program began, UW-Madison has seen a more than 300 percent increase in the number of American Indian and Alaska Native students pursuing health professional programs. The SMPH ranks in the top 10 of U.S. medical degreegranting institutions for graduating American Indian and Alaska Native students.

#### O'Brien Center for Benign Urology Research Awarded \$6M Grant

The George M.
O'Brien Center for
Benign Urology
Research has
received a U54
grant renewal
of \$6 million
for clinical and
preclinical
research into



prostate-related lower urinary tract symptoms (LUTS).

This National Institutes of Health funding will enable research to investigate whether prostatic fibrosis is a cause of LUTS. The condition, which affects more than 60 percent of older men in the United States, greatly impacts quality of life. The grant also will support resources, training and programming in benign urologic research.

The O'Brien Center is a multi-site research cooperative between University of Wisconsin-Madison, University of Massachusetts Boston, University of Texas Southwestern Medical Center, and the National Institute of Diabetes and Digestive and Kidney Diseases. The center serves leadership roles in research, training and resource sharing for the larger biomedical community. It encourages collaboration among funded centers and sharing with the broad research community.

Research undertaken at the UW-Madison site of the O'Brien Center is dedicated to improving urologic health in aging men. It is directed by William A. Ricke, PhD (pictured above), professor, Department of Urology, UW School of Medicine and Public Health.

Despite advances in the clinical management of many genitourinary conditions, millions of Americans remain afflicted with benign conditions of the bladder and urogenital system. These conditions cost more than \$11.5 billion per year to treat.

#### Nugent Named Inaugural Chief Clinical Research Officer

Elizabeth
"Betsy" Nugent,
MSPH, CCRP,
is the inaugural
director of
clinical trials
development
and accreditation
and chief



clinical research officer at the University of Wisconsin School of Medicine and Public Health (SMPH) and UW Health. She will focus on establishing the academic health center as a premier clinical-research organization.

Internationally recognized for leveraging clinical trials to transform research into therapies that help treat diseases and advance human health, Nugent earned her master's degree in public health at the University of Colorado Health Sciences Center and is a certified clinical research professional, a designation of excellence in the ethical conduct of clinical trials.

At Kaiser Permanente, Nugent managed a research network of 31 facilities and a research portfolio of nearly \$20 million. She oversaw clinical trial compliance and quality, and strengthened partnerships with trial leaders, research regulators, funders and government entities. She also previously was a director at the Rocky Mountain Poison and Drug Center in Denver.

In her new leadership role, Nugent will work to support industry-sponsored and investigator-initiated clinical trials and to strengthen partnerships with clinical research participants, sponsors and regulators. She also will work to position the academic health system for accreditation under the global quality standards developed by the Alliance for Clinical Research Excellence and Safety.

#### Petty and Lehman Edit First-of-its Kind Textbook on LGBTQ Health

Two UW
Health physicians
have collaborated
on a first-of-itskind textbook
on lesbian,
gay, bisexual,
transgender and
queer (LGBTQ)
health education.

health education.

The Equal

Curriculum: The

Student and

Educator Guide

to LGBTQ Health

was co-edited

by James

Lehman, MD '16,





MPH '14, chief resident, Department of Psychiatry, UW Health, and Elizabeth Petty, MD '86 (PG '89), senior associate dean for academic affairs, University of Wisconsin School of Medicine and Public Health (SMPH) (pictured above, respectively).

The two began working on the book when Lehman was an SMPH medical student. The publication marks an effort to reform medical education nationally by providing a comprehensive, high-quality resource for LGBTQ health education across multiple disciplines.

The book was created to advance clinicians' competencies in optimizing the health of LGBTQ people. Designed to be integrated into health sciences curricula, it is relevant for health sciences instructors, medical students in preclinical and clinical phases, and trainees from other disciplines, such as physician assistants, nurses, social workers and public health professionals.

As a student, Lehman was involved with population health, health equity and health care for underserved populations through the SMPH's Training in Urban Medicine and Public Health (TRIUMPH) Program.





he radiance of Lambeau Field—home of the Green Bay Packers and a source of pride throughout Wisconsin—provided a fitting backdrop for an October 2019 gathering of University of Wisconsin School of Medicine and Public Health (SMPH) alumni and guests.

Hosted by the Wisconsin Medical Alumni Association (WMAA), the evening featured tours of the stadium; a talk, "A Day in the Life of the Packers' Team Physician," by Patrick McKenzie, MD; and ample time for participants to visit with faculty members and medical students, including some who grew up in the Fox Valley and others who are doing clinical rotations in Green Bay.

"Events like this build on our WMAA mission and vision—to foster lasting relationships with each other and our school, and to help create an exceptional environment for students," said Mark Fenlon, MD '84 (PG '87), WMAA president-elect, who co-hosted the event with Jennifer Erickson Foster, MD '04; Donn Fuhrmann, MD '76 (PG '80); Brian

Hong, MD '11; Christopher Larson, MD '75 (PG '79); Tina Sauerhammer, MD '03 (PG '09); and Bob Zemple, MD '12.

Providing a school update, Dean Robert N. Golden, MD, referenced the famous Lambeau Leap and described the SMPH's "incredible leaps forward" in recent years. For instance, he touted the new ForWard Curriculum's success.

"In the first student cohort to take the U.S. Medical Licensing Examination since our ForWard Curriculum began, a stellar 100 percent of our medical students passed their boards. We are delighted to see such striking early outcomes from this innovative curriculum transformation, which fully integrates basic science, public health and clinical sciences throughout medical students' education," he shared.

Golden also presented the WMAA's Clinical Teaching Award to Zemple, who practices emergency medicine at Aurora BayCare and provides emergency medical services (EMS) in Green Bayarea communities.

"This award is very special. It comes directly from our fourth-year medical students, who nominate educators they believe have made the greatest impact in their development," noted Golden.

After Zemple earned his medical degree from the SMPH, he completed an emergency medicine residency and EMS fellowship at Virginia Tech-Carilion Clinic. He co-chairs the American Academy of Emergency Medicine's Competition Committee and serves on the state's EMS Physician Advisory Committee.

A member of the WMAA Board of Directors, Zemple is engaged in global health. He is an associate clinical professor at the SMPH and Medical College of Wisconsin, and serves on the Ethics Committee in the Village of Hobart, Wisconsin, where he lives with his wife, Sarah Zemple, and their four children.

He said he specialized in emergency medicine because "When you see people on one of their worst days, you have the opportunity to make the biggest impact."













Top row (left to right): M1 lan Wolf, Delicia Randle-Izard, MD, Tito Izard, MD '96 (PG '99), M1 David Martin; Mary Zack, Bobbi (Byung) Yun, MD '98 (PG '06). Middle row: Dean Robert N. Golden, MD, Robert Zemple, MD '12, Karen Peterson; Michelle Vandenberg, Steven Vandenberg, MD '93, Andy Steeno, Edward Pezanoski, MD '54, Joanne Pezanoski. Bottom row: M3s Brett Marshall, Mackenzie Carlson, Kali Olson, Jane Salutz; Kevin Wienkers, MD '81, Cindy Wienkers, Patrick McKenzie, MD.



## Remington Earns Belzer Award

LIFETIME ACHIEVEMENT AWARD HONORS HIS DEDICATION TO PUBLIC HEALTH

by Beth Fultz, PhD

n October 2019, when University of Wisconsin School of Medicine and Public Health (SMPH) Dean Robert N. Golden, MD, presented the Folkert Belzer Award to Patrick L. Remington, MD '81, MPH, the recognition was a fitting bookend to Remington's long and distinguished career as a public health practitioner, researcher, educator and leader.

Succinctly summing up the honoree's contributions, Golden said, "Pat is an accomplished researcher whose work has directly impacted the health of our state. He's been recognized for excellence in teaching and is sought after as a mentor and advisor to students. Through his work on the County Health Rankings and countless other projects and advisory roles, he has helped connect the school to the communities we serve. Finally, his leadership during our transformation to become an integrated school of medicine and public health has helped position the SMPH uniquely for 21st century medicine and academic health care."

For Remington, who retired with emeritus status in July 2019 from his position as the associate dean for public health, the opening



Patrick Remington, MD '81, MPH (left), receives the Belzer Award from SMPH Dean Robert N. Golden. MD.



Patrick Remington, MD '81, MPH (right), explains a public health concept to students.

bookend of his career occurred in part by chance. As a fourth-year medical student at the UW Medical School (now the SMPH), he eagerly looked forward to an international elective in Zaire. But when civil unrest caused the cancellation of that trip, he implemented Plan B: an internship at Wisconsin's state health department. The experience allowed him to explore questions that had begun to interest him as he prepared for a career in primary care. Why do some people get sick and others don't? How can we prevent diseases before they occur? Indeed, these became the questions he would spend a lifetime investigating and helping academic medicine to address.

Recalling his experience at the Wisconsin Department of Health Services, Remington notes the mentorship of Jeffrey P. Davis, MD, and James Vergeront, MD '78, among those on a long list of former SMPH faculty members and/or trainees who influenced his career. He also remembers how that elective allowed him to participate in research, get a taste of public health fieldwork and observe the challenges of communicating public health information to communities.

His mentors apparently saw potential in Remington, and word got back to the SMPH's highly regarded infectious disease expert, Dennis Maki, MD '67, now an emeritus professor of medicine. Just after Remington graduated, and before he left for his internship at Virginia Mason Medical Center in Seattle, he met with Maki, who gave him some very specific advice—get a job at the Centers for Disease Control and Prevention (CDC) following his internship—and Maki arranged a CDC interview for him.

In 1982, Remington accepted a position at the CDC, where he spent two years assigned to the Michigan Department of Public Health followed by four years in Atlanta as a medical epidemiologist in the Division of Nutrition. During that period, he completed a preventive medicine residency and earned a master of public health degree from the University of Minnesota, as part of the CDC's career development program. He also traveled to Somalia, Chad and Zaire as a CDC health surveillance and nutrition consultant to international health agencies.

By 1988, having gained a solid professional foundation at the CDC, Remington was itching to return to

—continued on page 37





## Maki Earns a Distinguished Alumni Award

## THE HONOR RECOGNIZES HIS WISCONSIN ROOTS AND WORLDWIDE IMPACT

by Andrea Schmick

hen colleagues describe Dennis G. Maki, MD '67, they use superlatives.

Extraordinary. Unsurpassed. Legendary.

Over the course of his 46-year career on the faculty of the University of Wisconsin School of Medicine and Public Health's (SMPH) Department of Medicine—28 of which were spent as chief of its Division of Infectious Disease—Maki has reached generations of learners, influenced legions of peers, and most importantly, saved the lives of countless patients worldwide.

As a physician, Maki is known for his insatiable thirst for knowledge, superhuman memory and tireless work ethic. But the self-described "farm kid" from northern Wisconsin also is deeply generous—he's a Bascom Hill Society member who has made substantial philanthropic contributions to the SMPH and across the UW-Madison campus.

For those reasons and more, Maki was named a recipient of the Wisconsin Alumni Association's (WAA) highest honor, its Distinguished Alumni Award, which he received from UW-Madison Chancellor Rebecca Blank in October 2019.

#### A Deep Sense of Belonging

The valedictorian of his high school class in Edgar, Wisconsin, Maki dreamed of playing college basketball. But Maki's father was adamant that he attend UW-Madison, so the General Motors Scholar and honor student earned his way through his undergraduate education there by working 15 to 18 hours each week in the dining hall.

At UW-Madison, during his sophomore year, "over the scrape table, emptying dishes," Maki met Gail Dawson, a physical therapy student from Neenah, Wisconsin.

They dated until 1962, when they got married the same week they earned UW-Madison bachelor's degrees: physics for him and physical therapy for her.

Maki went on to earn a medical degree in 1967 from the UW Medical School (now the SMPH), taking a year off in the middle to conduct research and earn a master's degree in physics from UW-Madison.

Recalling thoughts during his freshman year, he says, "I had acquired a deep attachment to UW-Madison and its extraordinary academic excellence that made me determine that somehow, some day, I would join the faculty of this great university."

#### Foundations of a Career

In 1967, the Makis and their young daughter, Kim, moved to Boston, where Maki began an internal medicine residency on the Harvard Medical Unit of Boston City Hospital.

"I was on call every other day and was sometimes at the hospital continuously for 10 days at a time," he shares.

Living in Boston on a resident's salary was challenging. Maki remembers hoping his car would hold up because they couldn't afford to replace it. He also reflects on how his wife used a stroller to get groceries and take their children to doctors' appointments.

"But we had a wonderful time during those years," he says. "We recognized right from the get-go that this was an extraordinary opportunity—that I was getting a training that you could not buy."

Two years into his residency, he was drafted into service at the Epidemic Intelligence Service of the U.S. Centers for Disease Control and Prevention (CDC). Serving as the acting chief of a national study on hospital-acquired infections sparked a deep, lifelong fascination with infectious

disease, laid the foundations of his future career and earned him a commendation medal from the CDC.

In 1971, the Maki family, which then included second daughter, Sarah, and son, Dan, returned to Boston for Maki to complete a senior and chief residency and a year of infectious disease fellowship at Massachusetts General Hospital.

Meanwhile, three senior faculty members in the SMPH's Department of Medicine—Robert F. Schilling, MD '43 (PG '48), the head of hematology and oncology and former department chair, and Richard E. Rieselbach, MD, the head of nephrology, who are now emeritus professors, and Calvin Kunin, MD, the first head of infectious disease—knew Maki was about to finish his training. They invited him to visit UW-Madison to consider joining the faculty.

Despite having three job offers at Harvard, in 1974, Maki returned to his medical school alma mater as an assistant professor in its Department of Medicine, as well as chief of the Section of Infectious Diseases and hospital epidemiologist at UW Hospital and Clinics (now UW Health). In 1975, he received the endowed Ovid O. Meyer Professorship in Medicine.

The move was good for Maki's growing family and for his emerging career.

"When they invited me back here, I saw an immense opportunity," he affirms. "There was very little in infectious disease practice or research here, and the nascent field of hospital-acquired infection control was crying for good research. The best decision I ever made was to return."

#### A "Triple Threat"

Over the next four decades, Maki's exemplary clinical skills in both infectious



#### Maki's Distinguished Alumni Award from page 35



At the award ceremony, several members of the Maki family joined Dennis Maki, MD '67, and Gail Maki (third and second from right), and Chancellor Rebecca Blank (far right).

disease and critical care elevated his reputation in the eyes of colleagues across the state, nation and world.

"Physicians throughout our region refer their patients to UW Hospital so Dr. Maki will have an opportunity to diagnose and treat their patients' life-threatening illnesses," notes David Andes, MD (PG '95, '99), the William A. Craig Endowed Professor of Medicine and chief of the Department of Medicine's Division of Infectious Disease.

Having devoted his research career to the prevention of hospital-acquired infections, Maki has published more than 370 papers that provide much of the scientific foundation for infection prevention practices in hospitals worldwide.

"He is widely considered one of the fathers of modern-day hospital-acquired infection prevention," confirms Andes.

Maki also has conducted research on the clinical application of novel agents for the treatment of septic shock and the treatment of antibiotic-resistant infections.

Further, his prolific outreach activities are considered by many to be unsurpassed by other SMPH faculty members. He has visited virtually every hospital in Wisconsin—and held visiting professorships or given invited presentations in 49 of the 50 U.S. states and more than 75 medical schools.

Maki's expertise is reflected through consulting roles at the CDC, National

Institutes of Health, U.S. Food and Drug Administration, U.S. Department of Health and Human Services, and United Kingdom's National Health Service. He also has received lifetime achievement awards from the Association for Professionals in Infection Control, Society for Health Care Epidemiology and Infectious Diseases Society of America.

Maki has influenced the careers of countless medical students, internal medicine residents and infectious disease fellows. He is a top-ranked educator who has been selected as the Investiture Marshal by seven graduating SMPH classes, and he has received more than a dozen teaching awards from the Department of Medicine, the SMPH and UW-Madison.

"Dr. Maki is what we refer to as a 'triple threat'—a physician who is exceptional at patient care, research and education," reflects SMPH Dean Robert N. Golden, MD. "He has set the gold standard in each of those areas, and in doing so, has created the type of synergy across these missions that represents the very best traditions of academic medicine."

In 2001, Maki received the SMPH's Folkert Belzer Lifetime Achievement Award for outstanding contributions in academic medicine, and the UW-Madison Hilldale Award for Distinguished Contributions in Teaching, Research and Service. In 2009, he received the Wisconsin Medical Alumni Association's Distinguished Alumni Award.

#### Always Looking to the Future

While accepting the WAA Distinguished Alumni Award, Maki reflected on a day at the end of his first undergraduate year at UW-Madison, when he realized that someday, he wanted to be a member of the faculty.

"Over the past 46 years, I've lived my undergraduate dream," he told the audience. "The wonderful people I've had the chance to work with—the students, fellows, residents and patients—have all made me a better physician, better scientist and better person."

Today, Maki is still working: he sees patients, teaches and pores over scientific literature.

"After a half-century of practicing medicine, Dr. Maki still participates in weekly Grand Rounds presentations, absorbing the latest data and raising insightful questions regarding its interpretation and applicability," shares Golden.

From their home in Madison, Maki and his wife stay in close contact with their three children—Kim, a linguist and mother in Seattle; Sarah, a nurse and mother in Phoenix; and Dan, a radiologist and father, also in Phoenix—and their partners, as well as the six children in the next generation.

They also grow organic apples, berries and vegetables on a small farm in Richland County that they bought 12 years ago.

"Whenever I get a couple of days off, we go out to 'the farm,'" he shares. "I am returning to my rural Wisconsin roots."

"I have told young people—who I have recruited over 40 years—is that the University of Wisconsin is a great place to spend a career," he continues. "It has an extraordinary collegiality. While highly competitive, it wants young faculty to thrive and succeed."

As a true Badger, Maki has dedicated his career to helping others thrive and succeed—whether they're learners, researchers, colleagues or patients. For him, that's what it means to be in academic medicine.

He reflects, "Academic medicine is a very unique calling and endeavor. Our focus is not [just] on what we are doing now. We are always looking down the road to the future and [thinking about] what we can do better."

#### **Remington's Belzer Award** from page 33

Wisconsin. Henry A. Anderson, III, MD '72—an SMPH-trained mentor who held leadership roles at the Wisconsin Department of Health Services for nearly 40 years—recruited him back to the state's health department, where Remington served for nearly 10 years as its first chief medical officer for chronic disease and injury prevention. In that position, he developed and promoted significant evidence-based interventions in tobacco and breast cancer control, supported by CDC and National Cancer Institute grants.

In 1997, Remington brought his public health expertise back to the UW School of Medicine and Public Health, where Paul P. Carbone, MD—then director of the UW Comprehensive Cancer Center (now the Carbone Cancer Center)—tapped him to serve as the center's associate director. In that role, Remington focused on cancer prevention and control and conducted research on environmental risk factors for breast cancer. He remained at the cancer center until 2008, while steadily taking on additional responsibilities. In 2001, he was appointed director of the UW Population Health Institute, and in 2004, then-Dean Phillip Farrell, MD, PhD (PG '72), named Remington the founding director of the SMPH's new Master of Public Health (MPH) Program.

Interest in public health had been heightened at the time, sparked regionally by an endowment in 2001 from Blue Cross and Blue Shield United of Wisconsin as it converted to a for-profit insurance corporation. The funds were intended to improve the health of the people of Wisconsin, and Remington's experience and expertise fit perfectly with the growing push to address not only the health of individuals but also the health of communities. Remington acknowledges that the Blue Cross/Blue Shield fund was a catalyst for the SMPH's growing commitment to public health, but he notes that "a catalyst merely accelerates things that would happen anyway. We were on that trajectory, and the

endowment encouraged and enabled us to move faster."

While managing his already full plate of SMPH teaching, research and leadership roles, Remington began in the early 2000s to develop ways to measure the health of entire communities, collaborating with mentor and colleague David Kindig, MD, PhD, now an emeritus professor of population health sciences and former UW-Madison vice chancellor for health sciences. The result in 2004 was creation of the Wisconsin County Health Rankings, which uses a series of measures to compare and contrast the health of the state's 72 counties. Due to the novelty of this approach and the active response of communities, the Robert Wood Johnson Foundation funded Remington's proposal "Mobilizing Action Toward Community Health" in 2008. Two years later, nationwide County Health Rankings illustrated the health of more than 3,000 counties in every state. The program has been continuously funded since that time, and UW-Madison has become a national leader in using data to support community health improvement.

In 2009, Golden—then three years into his deanship—created the position of associate dean for public health and appointed Remington to fill it. The mission, says Remington, was simple: help lead the ongoing transition to an integrated school of medicine and public health. Remington devoted 10 years to that mission before his retirement. Assessing the status of the transition at the end of his tenure, he gives the SMPH high marks for transforming its curriculum and for establishing and supporting the Wisconsin Partnership Program to oversee use of the Blue Cross/ Blue Shield endowment. That framework and other grants have helped advance the public health research mission. He hopes the next 10 years will see an increased emphasis on outside collaborations that will benefit both the school and community partners. That new direction is expressed in a name change for his former position to associate dean for public health and community engagement.



Patrick Remington, MD '81, MPH, and his wife, Kate Remington, enjoy time near Lake Superior.

In recognition of Remington's role among UW-Madison's finest educators, Chancellor Rebecca Blank presented him with the 2019 Chancellor's Distinguished Teaching Award.

Remington says he is "still getting the hang of retirement." Probably not surprising to anyone, he has barely slowed his pace. He's keeping a hand in teaching and directing the Preventive Medicine Residency Program. Nevertheless, he looks forward to spending more time with his wife, Kate Remington, and their four grown children and their partners, as well as their five grandchildren. Together, the couple enjoys skiing, biking and spending time at their family's cottage in Bayfield County, Wisconsin.

Looking back, Remington is grateful for deep roots in Wisconsin, especially for the guidance and support of UW-Madison mentors, including Davis, Vergeront, Maki, Anderson, Carbone, Kindig, Farrell, Golden and many others. He describes his busy retirement schedule as a way of giving back and continuing to support others who will carry the work into the future.

"A little milestone like retirement" will not stop Remington from pursuing his vision of a "fair and just society in which everybody can live a long, healthy life," he says, nor from doing all he can to ensure that future physicians are both outstanding clinicians and active public health leaders in their communities.

#### There's more online!

For information about a matching gift opportunity for the new Patrick Remington, MD, MPH, Most Promise in Preventive Medicine Award Fund, please go to med.wisc.edu/remington



## Researchers Use Stem Cells to Develop Vocal Folds

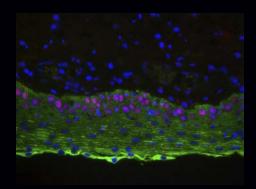
niversity of
Wisconsin School of
Medicine and Public
Health (SMPH) researchers
have created an in vitro, 3-D
model of human vocal fold
tissue called mucosa that could
improve understanding and
treatment of disorders affecting
the human voice.

The results of the research, published in *Nature Communications*, remove one of the challenges that has delayed the development of new therapies for laryngeal disease: the lack of a reliable model that researchers could use to study pathological changes in the human voice.

"We have created a framework for developing clinically useful vocal fold tissue that can be used to model the mechanisms that cause many voice disorders, as well as to test potential genetic and pharmacological therapies," says lead author Susan Thibeault, PhD, professor of surgery, biomedical engineering and communicative disorders and the Diane M. Bless Endowed Chair of Otolaryngology in the SMPH Department of Surgery. "This brings us closer to someday being able to bioengineer vocal fold tissue for organ replacement."

Vocal folds also are essential for separating acoustic communication from the passage of food and drink to the digestive tract and preventing the entry of substances into the respiratory tract. They are susceptible to chronic inflammation, mainly from smoke, allergens and infections. It is difficult to study vocal diseases and repair strategies because the retrieval of cell samples from healthy vocal cords could cause irreversible damage.

Treating disorders of the larynx is associated with farreaching social, psychological and economic costs exceeding



\$11 billion per year, similar to costs related to heart disease.

Other contributors include Vlasta Lungova, PhD, and Xia Chen, PhD, of the Department of Surgery; and Ziyue Wang and Christina Kendziorski, PhD, of the Department of Biostatistics and Medical Informatics.

## Disparities Expand in Racial and Ethnic Mortality

fter years of improvement, U.S. mortality rates have increased, and between certain racial and ethnic groups, the gap is widening.

Between 2009 and 2012, mortality rates—which had been on the decline for most racial and ethnic groups—began to increase, and for young and middle-aged people, the mortality rate gap between groups began to grow, according to research from the University of Wisconsin Population Health Institute, published in the *American Journal of Preventive Medicine*.

"It's particularly worrisome that the trend in infants and children was largely being driven by increasing mortality rates in those with historically poorer health," notes Keith Gennuso, PhD, research team director and the lead scientist for the County Health Rankings and Roadmaps Program, Population Health Institute. "These populations continue to face societal barriers to good health."

The study's purpose was to examine premature mortality rates for people less than 1 year old to 74 years old and compare recent trends in racial

and ethnic disparities across age groups. Data on more than 11 million deaths between 2007 and 2016 were obtained from the U.S. Centers for Disease Control and Prevention.

The data analysis showed that relative disparities in racial and ethnic groups among infants were almost twice as high as other age groups, and the gap that had been decreasing at 6.5 percent per year may be increasing.

The research revealed that the halting of progress in reducing black child mortality had a profound impact on the increase of racial and ethnic



disparities. At 11 deaths per 1,000 births, the mortality rate for black infants remains the highest, more than twice that of white infants. Findings show that attention paid to overall mortality rates is important, but disparities between ages and racial/ethnic groups persist and may be growing.

ROBERT WOOD JOHNSON FOUNDATION

## Single Protein Plays Dual Transport Role in the Brain

alting production of the protein synaptotagmin 17 (syt-17) inhibits the growth of axons, according to University of Wisconsin School of Medicine and Public Health (SMPH) research published in *Nature Communications*.

The study, led by Edwin Chapman, PhD, of the Howard Hughes Medical Institute and a professor in the SMPH Department of Neuroscience, found that when cells made more syt-17, axon growth accelerated. A range of neurological conditions could benefit from the growth of axons, including spinal

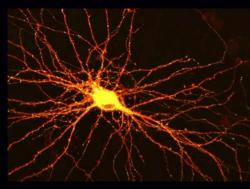
cord injuries and some neurodegenerative diseases.

To locate the synaptotagmin proteins in neurons, Chapman and first author David Ruhl, PhD '18, traced syt-17 to the Golgi apparatus. The Golgi is a shipping center inside the neuron that "packages" proteins for delivery from another part of the cell, including the end of axons, where growth occurs. Ruhl was a graduate student in the Chapman Lab at the time of the research.

One way to learn what a gene does is to "knock out," or silence, it. In syt-17 knockout mice, the axons barely grew.

"But in the mice genetically programmed to make an abnormally large quantity of syt-17, the axons grew much faster than normal," Chapman says.

Ruhl unexpectedly discovered a second pool of syt-17, this time at the synaptic junctions where neurons send and receive signals. This pool of syt-17 turned out to control internalization of receptor molecules, so it essentially controls the "volume" of the synaptic signal. Without syt-17, the "volume" is turned up much higher than normal, impairing neuronal communication and memory formation.



"In plasticity, an important feature is increasing or decreasing receptivity to neurotransmitters," Chapman notes, adding that in order to form normal memories, neurons must be able to scale these responses up or down. "Remembering is important, but forgetting is important, too."

## Face-to-Face Communication Key to Job Satisfaction

requent face-to-face communication among care team members in primary care clinics may boost overall job satisfaction, according to a study by researchers at the University of Wisconsin School of Medicine and Public Health (SMPH), published in the *Annals of Family Medicine*.

In a survey of 143 health care professionals at five primary care clinics (two urban, two suburban and one rural) in southern Wisconsin, overall job satisfaction was 5.8 on a 7-point scale (with 7 being extremely satisfied).

Clinicians and staff who frequently worked together

throughout the day and were in the core of the face-to-face communication network showed far greater job satisfaction compared to those who were in the communication network periphery, according to the study led by Marlon Mundt, PhD '07, associate professor, SMPH Department of Family Medicine and Community Health.

Mundt and his team conducted in-person interviews with clinic providers and staff. The participants, 95 percent female, identified those with whom they interacted for patient care and how often, and whether they interacted face-to-face or via electronic health records.

The findings show job satisfaction varying by job title and percentage of full-time employment. The lowest rate of job satisfaction was with female physicians (5.1), while radiology technicians had the highest (6.4). Male physicians had a 6.1 rate. By employment status, the lowest satisfaction was among health care professionals working part time (5.0) compared to full-time employees (6.3).

"When it comes to team-based care, it is not just what information health care professionals share, but how they share it that impacts their

job satisfaction and patients' well-being," Mundt says.

The study suggests team members may have better job satisfaction if they experience constructive working relationships and engage in team-based care delivery. Structured communication might increase job satisfaction among primary care teams.

## **Healthy Classrooms Foundation**

#### A MODEL FOR MEDICAL STUDENT PUBLIC HEALTH ENGAGEMENT

fter participating in a school gardening program, a middle school student told his teacher that this was the first time he realized food did not simply come from a convenience store. Unfortunately, this is not an isolated story. Wisconsin educators have shared many iterations of students' health-related knowledge gaps and can identify the painful lack of basic resources that can guide students toward healthy lives.

Statistics show that fewer than a quarter of Wisconsin's children have access to 60 minutes of structured physical activity per day, while 70 percent are in front of a screen for one or more hours. Sadly, 6 percent of teens have not had a serving of fruit in the past week, yet 19 percent consume at least one sugary drink daily. Wisconsin's statewide obesity rate is 14.8 percent among children and 30.7 percent among adults. These statistics demonstrate the need to teach young people skills for healthy living in an effort to decrease obesity and future comorbidities.

#### **Healthy Classrooms Foundation**

There are practical limits to how physicians can educate their young patients primarily because most kids see their doctor no more than once a year. However, children spend the majority of their time at school. Thus, the Healthy Classrooms Foundation (HCF) recruits educators as public health allies to help address students' health needs, and provides grants for initiatives, such as the creation of health-promoting clubs, classroom yoga electives and school gardening programs.

HCF was created by medical students at the University of Wisconsin School of Medicine and Public Health (SMPH) in 2008 and gained 501(c)3 (non-profit) status in 2009. Its student founders (now practicing physicians)—Drs. Ben Weston (MPH '10, MD '11) and Shaun Yang (MD '10)—shared a vision of building a bridge to connect medical students with the community and "bring

public health to the public." Inspired by the actions of SMPH faculty, the organization's mission is to integrate public health initiatives in physical, emotional and mental health, and environmental responsibility into Wisconsin's primary and secondary school systems.

This mission reflects the SMPH's commitment to emphasize the ideals of community responsiveness as it trains the next generation of physicians.

#### Student/Community Partnerships

One ideal that is emphasized throughout the SMPH's curriculum is the importance of community partnerships. This approach is embodied in HCF grants, which are aimed at first-time applicants and are typically between \$1,000 and \$3,000. These grants can provide educators with great opportunities to pilot initiatives within their classrooms, and potentially leverage projects to receive sustainable, ongoing support from the school's district and/or other external sources. The grants have the potential to spark tremendous impact and promote public health leadership among teachers.

HCF has awarded more than \$100,000 to educators across Wisconsin. Follow-up surveys suggest that more than 80 percent of the projects funded between 2010 and 2016 are still ongoing, with the majority impacting at least 100 students per school.

One recipient stated, "The type of support that the Healthy Classrooms Foundation provides functions like a micro-lending project. The support always seems to provide just enough incentive to encourage our school community to implement changes for the better. Then, once those initial changes occur, the results snowball."

Another avenue for community engagement is the annual HCF Public Health Symposium at the Health Sciences Learning Center. The spring symposium is free and open to the public, serving to engage community members in informative talks and interactive sessions that promote youth

physical, emotional and mental health, and environmental responsibility.

#### Leadership Opportunities

HCF is led by a board of directors that is largely comprised of first- through fourth-year medical students. Additional community board members include Dr. Ben Weston; Susan Manning, JD, an attorney; and Jay Affeldt, director of mental, behavioral and physical health, Madison School District.

By participating in HCF, medical students apply concepts taught in the classroom, gaining valuable public health and leadership experience. Past board members characterize their involvement as promoting leadership skills and the value of community engagement.

#### **Future Vision**

The HCF board is enthusiastic about expanding the organization's impact to underserved and rural communities. New efforts are underway to involve students from other disciplines throughout the UW-Madison campus, and to grow additional funding sources.

Nationally, the HCF hopes to serve as a model for medical schools interested in empowering medical students to participate in community engagement and public health work. We believe leadership opportunities like the HCF should be ingrained in all medical student curricula, training future physicians to think beyond clinic walls and focus on the larger well-being of the community.





Minaliza Shahlapour and Helen Zukin
Fourth-year medical students, SMPH
Past co-presidents, Healthy Classrooms
Foundation, 501(c)(3)

## I Know YOU

#### ... OR DO I?

If you think you can identify the person in the photograph at right, send your guess to quarterly@med.wisc.edu. We'll draw one of the correct responses and announce the winner in the next issue of *Quarterly*.

For the last issue (see below), Steven Hunter, MD '89, won the prize drawing and will receive a gift from the Wisconsin Medical Alumni Association!



#### HINT ABOUT PHOTO ABOVE:

She was born in Sydney, Australia.

## ABOUT LAST ISSUE'S PHOTO:

In the past issue of *Quarterly*, 16 people correctly guessed the identity of Lee D. Faucher, MD '96, FACS. Among them were four of his medical school classmates: Michael Foley, MD '96, Anne Jacobson, MD '96, Norbert Straub, MD '96 (PG '99), and Steve Siewert MD '96 (PG '99), as well as Lynda Siewert, MD '94 (PG '97). Brigitte K. Smith, MD '09 (PG '15), referred to Faucher as a "burn surgeon extraordinaire!"

Faucher is a professor in the University of Wisconsin School of Medicine and Public Health's (SMPH) Department of Surgery and medical director of the Burn and Wound Healing Center at LIW Health.

He has 17 years of military service, four in the U.S. Air Force—in which he earned the rank of Major—and 13 in the Air National Guard.

During high school in Fond Du Lac, Wisconsin, Faucher earned a license to work as an emergency medical technician. Upon graduation, he joined the Air Force and worked as an operating room technician at Malcolm Grow Medical Clinic, a hospital on Joint Base Andrews, Maryland, the home of Air Force One.

He earned his bachelor's degree in zoology at UW-Madison and his medical degree from the SMPH, serving concurrently in the Wisconsin Air National Guard's Medical Squadron. Faucher then completed a surgical residency at the University of Utah School of Medicine and



a burn trauma fellowship at the University of Washington. His research interests include burn and trauma epidemiology, clinical aspects of burn and trauma care, and scientific and clinical aspects of wound healing.

## We Want to Hear From You

Please send us information about your honors, appointments, career advancements, publications, volunteer work and other activities of interest. We'll include your news in the Alumni Notebook section of the *Quarterly* as space allows. Please include names, dates and locations. Photographs are encouraged.

**Have you moved?** Please send us your new address.

#### **CONTACT INFORMATION:**

Wisconsin Medical Alumni Association 750 Highland Ave. Madison, WI 53705



OR online at med.wisc.edu/alumni/share-your-news OR e-mail quarterly@med.wisc.edu OR via phone at (608) 263-4915

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#### MEDICAL ALUMNI REUNION WEEKEND





Reunions for the Classes of '55, '60, '65, '70 and '75 and the annual reunion of the Half-Century Society

June 4-6, 2020