

MCW

magazine



We Were There: Aiding Victims in Nepal

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MCW-Green Bay
Welcomes First Class
of Students

P 22
Cancer Specialist Named
Sharon K. Wadina Endowed
Professor in Sarcoma Research

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PRESIDENT'S MESSAGE

Welcome to *MCW Magazine*

For the past nine months our publications team has been busy crafting something new and different to enhance your engagement with the Medical College of Wisconsin (MCW) as we continue to grow our programs and sphere of influence.

We sought to create a magazine that would be distinctive and original, but not wholly unfamiliar. Within these pages, you will find echoes of *MCW News* (our donor publication) and *Alumni News* – but also a cleaner design, icons to denote story content, bigger and bolder photography, great typography, more feature stories, expanded use of infographics and factoids, and even a snapshot of a moment in our history.

MCW Magazine, published three times per year, enhances our ability to tell our stories – and to a much broader audience. In fact, our mailing list includes alumni, donors, Trustees, friends, academic/healthcare/community/technology development partners, civic leaders, pre-med and science career advisors, Wisconsin legislators and many more. Our new publication will:

- highlight the work and achievements of alumni, donors and donor-funded projects, faculty and other MCW community groups
- highlight the clinical and research achievements of MCW faculty, especially relating to ground-breaking discoveries and prevention/treatment of illness and disease
- provide information about MCW, including coverage of major timely issues and events
- provide a vehicle that will keep our readers connected to MCW and one another

MCW is a dynamic and thriving institution, built upon the success and dedication of our faculty, staff, students, alumni and donors – as well as the commitment and support of our many partners. We sincerely hope that *MCW Magazine* will engage and excite you about our present and our future.

Additionally, *MCW Magazine* will have a robust online presence that will expand the printed version with additional photographs, more extensive articles, videos and opportunities for readers to post their own content.

We want you to feel included in this process, and encourage you to share your input online or by contacting our editor at MCWmagazine@mcw.edu.

John R. Raymond, Sr., MD
 President and Chief Executive Officer

“MCW is a dynamic and thriving institution, built upon the success and dedication of our faculty, staff, students, alumni and donors...”



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ON THE COVER: Amidst the chaos and destruction of the April 2015 earthquake in Nepal, nine fourth-year MCW medical students and one internal medicine resident concluded their one-month rotations by coming face to face with the realities of disaster medicine. **PHOTO CREDIT:** Omar Havana/Getty Images News/Getty Images.



On a Mission to Find a Cure



Dr. Betty Pace has been on an extraordinary journey to find a cure for sickle cell disease, culminating in the establishment of an independent research laboratory at Georgia Regents University which focuses on studies related to globin gene regulation and drug design.

BETTY PACE, MD '81, GME '84

Most children want to grow up to be something different every time they are asked. But for Betty Buckley Cunningham Pace, MD '81, GME '84, her reply never wavered. "When I was 12, I saw my best friend suffering from the debilitating pain of sickle cell disease – and from that time on, I was determined to do research to help find a cure."

Dr. Pace has been a fighter her entire life. She fought to stand out as one of 15 children born to Deacon Andrew and Ora Belle Buckley. She fought to graduate 19th in her class at Washington Park High School in Racine, Wisconsin, with a GPA of 3.9. She fought to overcome racial and gender bias as an undergraduate to become a young scientist – which in the 1970s was quite unusual – and to be admitted to the Medical College of Wisconsin. Most importantly, Dr. Pace has fought steadfastly to conquer the foe of her childhood friend and the tens of thousands of individuals afflicted with this extremely painful and often fatal inherited blood disorder, which is estimated to occur in one in 500 African-Americans and one in 1,000-1,400 Hispanic-Americans.

Dr. Pace's fight to find a cure has taken her on an extraordinary journey, culminating in the establishment of an independent laboratory to perform sickle cell disease research. And on the way, she has been the recipient of numerous prestigious national scholastic, medical and research awards.

Dr. Pace graduated from Marquette University in 1976 with a degree in mathematics and took a job in the computer programming field. Her college roommate had been studying for the MCATs and convinced Dr. Pace to give it a try, especially

given Dr. Pace's strong interest in scientific research. "When I look back, 'physician-scientist' was a new concept. I would have gone into the MD-PhD program at MCW, had it existed then. But specializing in pediatrics enabled me to delve more deeply into sickle cell disease and to learn to care for patients. By learning and practicing patient care, I was looking to quicken the translation of my research directly to a clinical setting," she shares.

Dr. Pace completed her residency in pediatrics at Children's Hospital of Wisconsin in 1984 and then joined the MCW faculty as assistant professor and medical director of the Comprehensive Sickle Cell Program. During her tenure with the program, she brought in significant amounts of state funding and commenced a statewide neonatal screening program for the disease.

In 1987, the lure of further research opportunities took Dr. Pace to the University of Colorado Health Sciences Center, where she did a fellowship in pediatric hematology-oncology, and then to the University of Washington, where she was a Robert Wood Johnson post-doctoral fellow in medical genetics.

In 1994, Dr. Pace was recruited to the faculty of the University of South Alabama, where she established a basic research lab focused on sickle cell disease, funded by the National Institutes of Health (NIH). In 2003, she moved to the University of Texas at Dallas, where among other roles, Dr. Pace served as director of the Sickle Cell Disease Research Center. That same year, she was named one of the "Brilliant Ten" US scientists by *Popular Science* magazine for her innovative efforts

"By learning and practicing patient care, I was looking to quicken the translation of my research directly to a clinical setting."

Photo courtesy of Phil Jones



BRIAN J. BEAR, MD '84, GME '89

The launch of our new *MCW Magazine* is an exciting milestone for our alma mater – and is among the first examples of the expanded communications I previewed in the most recent *Alumni News*. The contributions and achievements of our alumni are abundant in these pages because of the outstanding work they do conducting research, caring for patients, providing financial support and improving health in communities across the nation and the globe.



In addition to the adjacent profile of Betty Pace, MD '81, GME '84, you will find within these pages a heartwarming story about our most recent MCW alumni who, as fourth-year medical students on a global health rotation in April, cared for patients after the earthquake in Nepal. Also, this issue includes an article about Arthur Kaemmer, MD '70, who, along with his wife, Martha, endowed the Kaemmer Professor in Pediatrics: The "Super Kid" Chair in Special Needs, which supports MCW's department of pediatrics and several initiatives to ease the burden of hospitalization on children – especially those with chronic conditions.

While the launch of *MCW Magazine* is a successful step in the institution's efforts to enhance alumni communications, it is by no means our only step. Going forward, the Alumni Association is working with MCW to improve digital communications and social media to help engage alumni and stay better connected to MCW and each other on a continual basis.

I hope you will enjoy reading about your classmates and other MCW alumni, donors, educators, clinicians, researchers and students – as well as institutional news and updates – in this new venue. Stay tuned for more information about future alumni communication enhancements coming soon.

– SARA WILKINS

To read more, visit mcw.edu/pace

to find a cure for sickle cell disease.

On the national scene, from 2006-08, Dr. Pace served as the chief medical officer for the National Sickle Cell Disease Association of America. Since 2010, she has been professor at the Georgia Regents University, where she is the first recipient of the Francis J. Tedesco Distinguished Chair in Pediatric Hematology Oncology.

"There continue to be many advances in the treatment of sickle cell disease, including the only potential cure, which is bone marrow transplant," Dr. Pace says. Finding a donor is difficult, however, and as a result, treatment for the disease usually is aimed at avoiding crises, treating chronic pain and preventing complications.

Dr. Pace's NIH-funded lab focuses on studies related to globin gene regulation and the design of drugs to induce fetal hemoglobin to treat sickle cell disease. "In my lab, we isolate genomic material such as RNA and DNA, and grow/manipulate red blood cells to test the effects of certain drugs. It's a high-profile training lab where more than 60 undergraduates, medical students and graduate students have been trained – many of whom are minorities. We even have a few middle school and high school students participate in summer research. I love training young people as

well as junior faculty," Dr. Pace remarks.

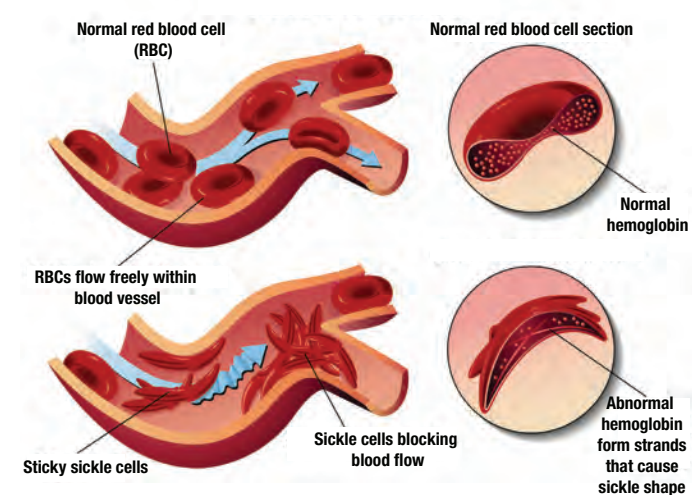
Dr. Pace credits her years at MCW with making her a better teacher. "One of the greatest benefits of MCW was the sense of being a family. There was a very close connection among both the students and the faculty," she notes. "The faculty were always there to help us through and give the support we needed, because they wanted to see us become successful. I think about what I wanted from my mentors and to this day, I try to pass this along to my students – and I hope they will pass along dedication to mentoring as well. I definitely 'paid it forward.'"

Dr. Pace still provides clinical care, but on a limited basis. "For me, it was always about the research – but I still see pediatric sickle cell patients a half-day each week to keep my research relevant."

Following Dr. Pace's retirement from academia, she plans to return to southern Wisconsin to open a free medical clinic. "Access to care in Racine is so limited that I want to return to give back to the community."

Until then, Dr. Pace will continue her journey to honor her childhood friend by seeking a cure for sickle cell disease.

Sickle-Cell Anemia



STAT REPORT

MCW Receives \$22 Million CTSA Renewal

The Medical College of Wisconsin has been awarded a five-year, \$22 million Clinical and Translational Science Award from the National Institutes of Health. This competitive grant renewal will fund the work of the Clinical and Translational Science Institute of Southeastern Wisconsin (CTSI), a consortium of eight regional organizations whose mission is to advance the health of the community through research and discovery.

The CTSI, which was founded in 2010, comprises the BloodCenter of Wisconsin, Children's Hospital of Wisconsin, Clement Zablocki VA Medical Center, Froedtert Hospital, Marquette University, MCW, Milwaukee School of Engineering and the University of Wisconsin – Milwaukee. The composition of the CTSI is unique nationally because of the engagement of academic institutions not affiliated with MCW.

Using innovative mechanisms, CTSI members work to translate research discoveries more quickly into preventive, diagnostic and therapeutic interventions for patients. Consortium members share resources, technology, knowledge and expertise to work toward those goals. The CTSI research portfolio includes more than 185 studies, with more than 47 collaborative research studies underway.

Fewer than half of all US medical schools have received a CTSA since the program's inception in 2003. MCW was one of only 18 grant recipients this year.

This extremely competitive award reflects MCW's role as a national leader in building academic and research partnerships to address the community's greatest health needs. The collaborations and partnerships fostered through the CTSI already have paid off in innovation and translation of new technologies and advancements. ■



Members of the Clinical and Translational Science Institute work to translate research discoveries more quickly into preventive, diagnostic and therapeutic interventions for patients.

Founding Dean Named for New School of Pharmacy

The Medical College of Wisconsin will open a school of pharmacy in Milwaukee to train highly qualified pharmacists who can provide expanded services as part of a healthcare team. The school is anticipated to matriculate its first class of 60 students in the summer of 2017 or 2018.

George E. MacKinnon III, PhD, MS, RPh, has been named as founding dean, effective October 1, 2015. Dr. MacKinnon most recently served as founding dean and professor of pharmacy, and vice provost for health sciences at Roosevelt University's College of Pharmacy in Chicago. During the past 25 years, he has engaged in clinical practice, research, teaching and academic administration through joint academic appointments in



medicine and pharmacy at various educational institutions across the country. He also has been involved in a leadership capacity in the establishment and accreditation of three new colleges of pharmacy in the US.

"The next-generation pharmacist will be trained to provide expanded services in medication monitoring, immunizations, health screenings, chronic disease management, acute ambulatory care and specialty pharmacy care," says John R. Raymond, Sr., MD, president and CEO of MCW. "The curriculum will reflect changes in healthcare that are transforming how health professionals work together to achieve improved health."

In addition to the emphasis on interprofessional education, the school of pharmacy will seek to reduce the maldistribution of pharmacists in underserved communities in Wisconsin.

MCW's Advancing a Healthier Wisconsin Endowment is providing an initial \$3 million for preliminary design and development of the school of pharmacy. ■

Expanding MCW's Educational Offerings

MCW is expanding its educational offerings with two new master's degree programs.

Medical Physiology

MCW's new Master in Medical Physiology program is helping undergraduates who wish to strengthen their academic record for medical school applications while also providing a basis of skills and knowledge for medical and scientific careers in academia, industry or government.

The program currently runs from August 2015–May 2016. Medical Physiology students are being integrated into MCW's first-year medical student curriculum by taking three courses along with the medical students. "Integration of our students into portions of the first-year medical school curriculum allows them to demonstrate their abilities to achieve at a high academic level and handle a large course load," says Matthew Hodges, PhD, assistant professor of physiology and co-director of the program.

To further the experience of immer-

sion into medical school, the master-level students will receive a "virtual rank" for each of the integrated courses in order to track their relative performance. They also will take multiple graduate-level courses to expand their understanding of the basic sciences.

The program's first matriculating class includes eight students, although the goal is to increase enrollment to 30.

Anesthesiologist Assistant

MCW's Board of Trustees has approved the development of an Anesthesiologist Assistant (AA) Program, which will prepare a new subset of physician extenders with special expertise in anesthesia to provide high-quality care in a team model with physician anesthesiologists. The AA program will offer a Master of Science degree in Anesthesia to 10-16 students per class over a 28-month curriculum, with a target matriculation date of August 2016.

Only 10 such programs exist in the US, and MCW's will be the first in Wisconsin. By training anesthesiologist



assistants, MCW will address the need for anesthesiology services by increasing the availability of high-quality licensed anesthesia providers in the state. Potential applicants will hold a baccalaureate degree in a science consistent with pre-medical training, and will have taken the MCAT or GRE examination.

The initial development funding for the AA Program was provided by an award from the Advancing a Healthier Wisconsin Endowment. ■



White Coat Ceremony, BBQ Usher in First Class of MCW-Green Bay Students



Photos courtesy of Mike Roemer

MCW-Green Bay's newly coated inaugural class of 26 medical students (with Dr. Matthew Hunsaker, MCW-Green Bay campus dean, at left), have been warmly welcomed into the community.

Years of planning, designing classrooms and curriculum, fundraising and branding came to fruition in early July as the Green Bay region welcomed Wisconsin's first new medical school campus in more than 100 years.

MCW-Green Bay's inaugural class of 26 students (23 of whom hail from Wisconsin) started on July 1. On July 9, these new students participated in a White Coat Ceremony at St. Norbert College, followed by a welcome barbecue at Heritage Hill State Park in Green Bay.

At the ceremony, each student received the traditional short white lab coat worn by medical-students-in-training, and were "coated" by a physician with an interest or belief in the respective student's ability and dedication to the practice of medicine.

Matthew Hunsaker, MD, campus dean of MCW-Green Bay, charged the

"This is overwhelming, exciting. It's the culmination of everything I've been working for."

— Matthew Wheeler
(MCW Class of 2018)

students with their mission, and reflected on their purpose. "Today you are here because you have chosen to stand in the midst of human suffering and give of your time, your strength and your intellect to become physicians. This is perhaps the start of the most difficult task you have set out to accomplish in your life. It is a joyous day and one of wonderment that each of our lives has led us to this place."

An intimate group of physicians, MCW faculty and staff, and the students' loved ones attended the ceremony, which was held in Michels Ballroom. The program included

remarks from John R. Raymond, Sr., MD, president and CEO of MCW, on the vision for creating new regional medical school campuses; Joseph E. Kerschner, MD '90, FEL '98, dean of the medical school and executive vice president, on the history of the White



Dr. Lisa Grill Dodson, MCW-Central Wisconsin campus dean, "coats" MCW-Green Bay medical student Jared Metropulos.



(l-r) Anne Machesky, Christine Prill, Jared Metropulos and Gavin Hautala are introduced to guests during the welcome barbecue.

Coat Ceremony; and Brian Bear, MD '84, GME '89, president of the Alumni Association, who welcomed the new students. William Schneider, MD '60, GME '67, a longtime Green Bay physician, shared a modern version of the Hippocratic Oath with the students – which, at the conclusion of their medical education, they will repeat at Commencement. Katrina Rosculet, MD, MA '13, shared an inspiring reading.

"This is overwhelming, exciting. It's the culmination of everything I've been working for," remarked Matthew Wheeler of Superior, Wisconsin. "I chose MCW-Green Bay because I was looking for the challenge and opportunity to be a leader and a trailblazer on a small campus, and I'm so thrilled to be here."

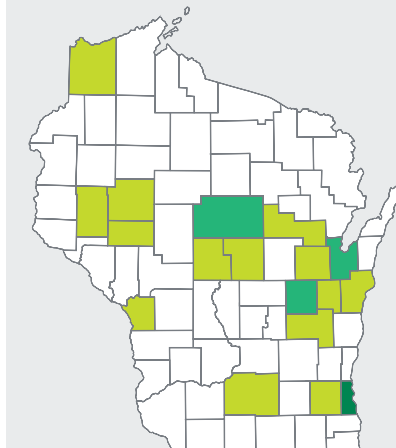
After the White Coat Ceremony, buses shuttled attendees to Heritage Hill for a barbecue and a larger celebration to introduce the inaugural

class to the Green Bay community. The perfect weather, beautiful locale and delicious food helped to underscore the excitement of students, parents, friends, community members and MCW faculty/staff for this momentous milestone.

Drs. Hunsaker, Raymond and Kerschner welcomed attendees and thanked the area's civic, academic, healthcare and philanthropic partners for their strong support of MCW-Green Bay. Kurt Voss, a member of the MCW-Green Bay Community Advisory Board, also offered a warm welcome.

Each student was introduced, and her/his hometown and undergraduate college was shared.

During the evening, attendees composed special messages of support and words of wisdom that were placed in a "time capsule" to be shared with the students upon their graduation in May 2018. ■



GEOGRAPHIC

Wisconsin Residents	Out of State (1 each)
1 per county	Champaign County, IL
2 per county	Sangamon County, IL
3 per county	Huntington, IN

MCW-GREEN BAY CLASS OF 2018 STATISTICS

Applications

- 2,267 Total Applications
- 86 Applicants per Seat in the Class
- 26 Students Matriculated

Gender

- 15 Men
- 11 Women

Age

- 21-33 Age Range
- 25 Average Age

Undergraduate Institutions

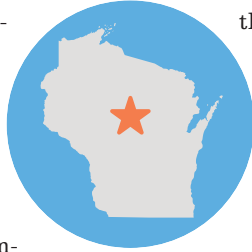
- 1 Bradley University
- 1 Butler University
- 1 Coe University
- 1 Marquette University
- 1 St. Norbert College
- 1 Stonehill College
- 1 Trinity International University
- 1 University of Illinois at Urbana
- 2 UW-Eau Claire
- 1 UW-Green Bay
- 2 UW-La Crosse
- 7 UW-Madison
- 1 UW-Milwaukee
- 1 UW-Oshkosh
- 1 UW-Stout
- 1 Valparaiso University
- 1 Wheaton College



Love of Small-Town Life Drew Campus Dean to MCW-Central Wisconsin

Having spent much of her life in rural communities, Lisa Grill Dodson, MD, knows the appeal of small-town living. Most recently, she moved from Lake Oswego, Oregon (population 37,000) to Wausau, Wisconsin (population 39,000) to serve as campus dean of the Medical College of Wisconsin-Central Wisconsin.

Eager to immerse themselves in the Wausau community, Dr. Dodson and her husband, Peter, joined a number of organizations. Dr. Dodson became a member of Rotary International, sits on the Foundation Board for UW-Marathon County, and joined the Suicide Prevention Task Force. Peter plays trombone and tuba in the UW-Marathon County Jazz and Concert Bands, the Wausau Community Band and the Merrill Community Band. Together, they are on



the Wausau Curling Club. They also are restoring a circa 1925 home. And that's just the beginning.

"I like small-town life and seeing people you know everywhere you go. It's a great way to live. The entire three-county region has been so welcoming, and I've loved learning about my new community," says Dr. Dodson.

Dr. Dodson shares that MCW-Central Wisconsin will offer a calendar-efficient, three-year longitudinal integrated curriculum that is designed to create continuity with patients and community-based faculty across many experiences. "This curriculum is a useful way to arrange students' time and immerse them in a team – both in learning and in practice," notes Dr. Dodson. "Students can experience relationship-building over time, which is a critical part of practicing in a smaller community."

As an advocate for education and excellent patient care for rural populations, Dr. Dodson is committed to building and sustaining a healthcare workforce in Central Wisconsin – and that begins with training students closer to where they would complete residencies and eventually practice. MCW-Central Wisconsin makes medical school a reality for regional, community-based students who may never have considered a medical career before due to family, location or financial limitations.

"I've spent much of my life in rural communities, and MCW-Central Wisconsin offers an amazing opportunity to take the history, tradition and resources that MCW-Milwaukee offers and scale them down to a smaller community where there is a growing need for physicians," Dr. Dodson comments. "We need community-engaged medical and surgical doctors and psychiatrists, and we can train them more effectively in a community-minded area."

To further strengthen ties within the area, the Regional Applicant Advisory Committee and a Community Advisory Board were created with members from across Central Wisconsin. Dr. Dodson believes that direct involvement with the MCW-Central Wisconsin mission by community-based faculty and community members who consume healthcare themselves is both pioneering and necessary.

"We have tremendous support locally and from MCW-Milwaukee – so we will be able to deliver a high-quality, innovative curriculum which allows local students to stay here." ■

– MAUREEN REMMEL



To read more, visit mcw.edu/dodson



Photo courtesy of Mike Roemer

Dr. Lisa Grill Dodson is committed to building and sustaining a healthcare workforce in Central Wisconsin.



Unlocking the Mystery of a Rare Disease

Within the last decade, whole genome sequencing has become a readily available technique for determining the complete sequence of an individual's DNA, and in 2010, MCW's Human and Molecular Genetics Center was the first to successfully use it to modify a child's clinical therapy. Whole genome sequencing reveals the genetic blueprint for a person, generating information on every gene in the nucleus of one's cells. The ability to link variations in DNA with health and disease outcomes holds promise for considerable public benefit, including the potential to change the way we treat cancer, heart disease, diabetes, Alzheimer's disease, schizophrenia and countless other illnesses.

For one MCW student, whole genome sequencing is helping to unlock the mysteries of a rare genetic kidney disease.

Since 2011, Bryce Alan Schuler, PhD '15, a physiology MD-PhD student in the Medical Scientist Training Program (MSTP), has been part of a team that was able to identify a disease-causing variant in a family with an autosomal dominant form of kidney disease and to characterize how the function of that gene contributes to the symptoms of the disease.

This rare, inherited kidney disease presents between the ages of 20-60 and is slowly degenerative. By the time symptoms appear, affected individuals are often in end-stage renal failure disease and require transplant. When Dr. Schuler first joined the project team, the gene causing the disease had yet to be identified. To conduct the research, Dr. Schuler and the other MCW investigators utilized a whole genome sequencing approach which compounded the amount of genetic information available for analysis. This enabled them to increase the resolution of the genome, which provided information on the majority of the genome's building blocks.

Concurrently, researchers at the Broad Institute were able to identify the Mucin 1 gene, the cause of medullary cystic kidney disease type 1 (MCKD1). By developing a collaborative relationship with Broad, Dr. Schuler and the team were able to provide a diagnosis to the family they were working with and further investigate MCKD1.

To learn more about MCKD1, MCW researchers developed a Mucin 1 mutant rat line to assist in looking for several different disease characteristics, including kidney stressors that would cause MCKD1 to manifest itself in a



Photo courtesy of Allen Fredrickson

Dr. Bryce Schuler is using whole genome sequence data to help understand how genomic variation contributes to disease.

time frame conducive to the study.

"It's exciting to start with the genome and sift through millions of variants to find the right one, and then apply that variant or its effect to an animal model to see the same phenotypes emerge," says Dr. Schuler. "Of course, we'll need to complete the studies to confirm these differences and to study the model more to learn about the disease progression – but characterization of this rat model could potentially lead

"It's exciting to start with the genome and sift through millions of variants to find the right one, and then apply that variant or its effect to an animal model to see the same phenotypes emerge."

to a diagnostic test that could detect the early development of this disease." Dr. Schuler also believes researchers could use this same model to determine how Mucin 1 is causing MCKD1, as well as identify targeted treatment strategies to slow the disease's destructive process.

After defending his thesis and earning his PhD in the Graduate School in September, Dr. Schuler will attempt to keep abreast of the research as he transitions into his last two years of MCW's

MD program. Dr. Schuler recognizes the intense need for physician-scientists who can translate the clinical side of medicine into research, and vice versa. To that end, he plans to pursue a clinical specialty in genetics.

"My experience at MCW has been very rewarding. This kidney disease case is a perfect example of the progress we continue to make," notes Dr. Schuler. ■

– MAUREEN REMMEL



To read more, visit mcw.edu/schuler

ART W. KAEMMER, MD '70

Endowment Brings Hope to Special Needs Kids

Just days before graduating from medical school, Art Kaemmer, MD '70, underwent a surprise final exam: he helped his wife, Martha, deliver their first child in the bathroom of the small apartment they shared in downtown Milwaukee.

The experience, which was memorably announced at Dr. Kaemmer's 1970 commencement ceremony by Eleanor Delfs, MD, then the Patrick J. & Margaret G. McMahon Chair of Obstetrics and Gynecology, preceded his long career in pediatric medicine – as well as the development of a deep concern for protecting the welfare of children facing repeated hospitalizations.

**PLEASE SEE
"A MOMENT IN HISTORY"**
on page 35 for more on Dr. Delfs

"The reality is that hospitals are scary places for kids," said Dr. Kaemmer in an interview conducted shortly after he and his wife traveled to Milwaukee to celebrate his 45th Reunion during the 2015 Alumni Weekend. "And for children who are admitted multiple times per year, the experience isn't easy or pleasant."

A desire to help change that led to the creation of the Kaemmer Professor



Art W. Kaemmer, MD '70

in Pediatrics: The "Super Kid" Chair in Special Needs, held by John Gordon, MD, professor of pediatrics and medical director of the Special Needs

Program at Children's Hospital of Wisconsin (Children's). The Kaemmers established the endowed fund to secure resources for children that would improve their experience during hospital visits and longer stays – and help ease the anxiety parents and caregivers experience trying to navigate the hospital system.

"I want the hospital to be a better place...even a pleasant place," Dr.

Kaemmer said, "especially for kids with special needs."

Dr. Gordon, an expert in developing care models for children with complex medical needs, believes the gift from the Kaemmers has had a ripple effect beyond the original intent of establishing the chair at MCW and providing programming resources for Children's. "The most important thing the Kaemmers did was to elevate the profile of this new field of complex care management and provide us with a platform to innovate a new model for patients and their families," remarks Dr. Gordon.

Dr. Gordon and his team of physicians, advanced practice nurses, nurse care coordinators and care coordination assistants provide intensive care coordination and medical co-management for children with "medical complexity" – which he defines as patients with three or more chronic conditions and three or more specialists, who are admitted five to 10 days a year or who have 10 or more clinical visits a year.

"Art's motivation was to do something for kids stuck in the hospital, but it happens that his gift came at a time when we were trying to decrease hospital stays and bring more attention to the long-term problems families face caring for these kids," Dr. Gordon says. "So, one effect was to boost our program just as we were implementing the intensive care coordination model."

Dr. Gordon, who founded the program in 2002, describes the model as treating the whole patient and working closely with families to provide support, encouragement and resources that help make their lives as caregivers easier to manage.

"We give families a single point of contact and 24/7 availability."

– Dr. John Gordon

"We work with families to develop a comprehensive care plan, and then provide them with support to sustain the plan over time," he says.

Among the services provided are a "go-to" contact person who plans visits and hospitalizations, arranges specialist treatments and ensures that the family's key role in caring for a special needs child is recognized.

"We give families a single point of contact and 24/7 availability," says Dr. Gordon. "We do home visits and education, but perhaps our greatest contribution is making the caregiver feel valued and part of the care team. Parents almost never talk about their own needs, but there is significant stress in providing for children with the kind of medical complexity we see in

our program. So, when we talk about outcomes, we have to focus on the role parents have in caring for children."

The Special Needs Program also focuses on fun. Every year in September, a picnic is held for patients and families, complete with clowns, face-painting and music. Each December, the white-bearded Dr. Gordon plays Santa Claus to children in the hospital.

In addition to satisfaction from families and caregivers, program data points to significant benefits for the hospital environment. Dr. Gordon notes that children with three or more chronic conditions can account for a staggering 21 percent of inpatient days and up to 17 percent of payments. After enrollment in the Special Needs Program, inpatient days drop by 50 percent.

These results helped Dr. Gordon and his team in collaboration with Wisconsin Medicaid and American Family Children's Hospital obtain a \$9.5 million Health Care Innovation Award from the

Center for Medicaid and Medicare Innovation to expand the Special Needs Program at Children's and throughout the state. The grant also is designed to develop new reimbursement models for care coordination and medical co-management that are needed to sustain the program.

For Dr. Kaemmer, who is now retired and enjoys fishing trips and traveling opportunities, the satisfaction that he and Martha are benefiting critically ill children with their philanthropy is a significant accomplishment. "I am very proud of the work that John and his team are doing," he shares. "For Martha and me, it's a privilege to be able to have an impact on the children in this program." ■ – MICHAEL J. MATHIAS



John Gordon, MD



BOARDS AND ORGANIZATIONS JAN LENNON HELPED LAUNCH

- (1998) FOUNDING MEMBER OF THE WBCS, INC., BOARD
- (2007) FOUNDING MEMBER OF THE MCW'S WOMEN IN SCIENCE LECTURE SERIES
- (2011) FOUNDING MEMBER OF MCW'S NEUROSCIENCE CENTER BOARD

SIGNIFICANT MCW HONORS RECEIVED

- (1996) WARREN P. KNOWLES HUMANITARIAN AWARD
- (2004) HONORARY ALUMNA OF THE MEDICAL COLLEGE OF WISCONSIN
- (2012) HONORARY DOCTOR OF HUMANITIES



PHILANTHROPY

Jan Lennon: Volunteer and Donor Extraordinaire

Jan Lennon's connection to MCW is a strong one. You can see it in her eyes and hear it in her voice. She talks confidently and proudly about the innovative research conducted by MCW faculty as well as the excellent patient care they provide. She shares delightful anecdotes and insights on numerous initiatives and programs funded through MCW's philanthropic efforts. She has a personal connection to many of MCW's past and current leaders – and knows the contributions of each to the insti-

best outcomes for patients and about advancing knowledge to defeat diseases confounding our best efforts to eradicate," Jan says. "I feel lucky to have the opportunity to help through my work with significant organizations like the MACC Fund, Froedtert Foundation and Wisconsin Breast Cancer Showhouse, Inc. (WBCS), as well as several MCW advisory boards."

Jan is a tireless and invaluable volunteer for MCW and its partners, helping to raise money and awareness for student scholarships, cancer,

neuroscience and digestive disease research and patient care. Her service to MCW includes the endeavors men-

"I look for areas where there is a true need and the potential to make a strong impact."

– Jan Lennon

tion's legacy. Not surprisingly, Jan takes great pride in the countless endeavors of her late husband, Edward J. Lennon, MD, '50, who served as MCW's dean (1978-1985) and president (1984-1990). Dr. Lennon passed away in 1994.

This connection to MCW and the contributions of its faculty, students and staff to improving health are major reasons why Jan has been a volunteer and philanthropic donor to MCW and its partners for more than 35 years.

"I have been fortunate to have a close association with MCW. This has enabled me to see firsthand all that our amazing researchers and clinicians are capable of doing, and how much they and MCW's leadership care about excellence...about providing the

tioned at right; the organizations and boards she helped launch are noted in the sidebar on the opposite page.

Jan says her approach to deciding which projects or programs to support is uncomplicated. "I look for areas where there is a true need and the potential to make a strong impact."

The people of MCW are at the heart of Jan's dedication to the institution. "My favorite part of volunteering is working with people who have a passion to make a difference and who sometimes, against the odds, succeed in making that difference," she notes. "I feel so privileged to be among like-minded supporters who work to realize the dreams and make possible the important goals of MCW, Froedtert Health, Children's Hospital of Wisconsin and the BloodCenter of Wisconsin."

Jan has experienced many successes over the years, but a few recent

SERVICE TO MCW AND PARTNERS

- **WOMEN FOR MACC**
DIRECTOR AND PAST PRESIDENT
- **MACC FUND**
SECRETARY OF THE BOARD AND CHAIR OF THE NOMINATION COMMITTEE
- **MCW HEALTHCARE DINNER**
CO-CHAIR OF THE 2015 EVENT (NOV. 18)
- **MCW DIGESTIVE DISEASE CENTER**
MEMBER AND PAST CHAIR OF THE BOARD
- **FRIENDS OF THE MEDICAL COLLEGE OF WISCONSIN**
LIFE MEMBER AND PAST PRESIDENT

ones stick out in her mind.

"I was thrilled about the recruitment of the WBCS's Endowed Chair in Breast Cancer Research, Dr. Hallgeir Rui, who started on July 1, as well as to help establish and build the Friends of MCW's endowment to benefit scholarships. We're at over 80 percent of our \$1 million goal," Jan adds. "And I am in awe of the talented Lennon post-doctoral awardees in the Women in Science program, who always will carry my husband's legacy as part of their CVs."

When not volunteering, Jan enjoys spending time with her granddaughter, Audrey, and other close family and friends. She also likes to tend to her husband's gardens, hang out with her cat at the end of the day, and edit the writing of a close friend.

Occasionally, Jan will commemorate a birth or mark a special accomplishment by designing and making a quilt. ■

– ANTHONY BRAZA

Photo courtesy of Allen Fredrickson

Jan Lennon and her late husband, MCW president and dean Dr. Edward Lennon, shared a passion for helping to ensure the best patient outcomes and advancing knowledge to defeat disease.



MCW medical students, resident and mentors on rotation in Nepal when the earthquake hit, put their medical training into action

We Were There

By Maureen Mack

Nine fourth-year MCW medical students and one internal medicine resident studying in Nepal in April 2015 as part of MCW's ongoing Office of Global Health initiatives were able to put their medical training into action when a devastating earthquake hit there late that month.

"It felt like I was surfing on the earth..." When Sean Degmetich, MD '15, Nina Nosavan, MD '15, Jon Lin, MD '15, and Josh Veenstra, MD '15, felt the ground begin to shake, they assumed it was a stampede of elephants. That made sense, as the four, free from clinical responsibilities, were visiting a wildlife habitat in Nepal known for its elephant and rhinoceros populations.

But it was no stampede. Rather, it was a 7.8 magnitude earthquake that toppled landmarks, opened gaping cracks in the road, and collapsed thousands of homes – bringing tons upon tons of rock crashing down on the residents of this tiny country. Landslides swallowed entire neighborhoods. The death toll surpassed 8,500.



Dr. Ted MacKinney, MCW associate professor of medicine who works 10 months a year at Patan Hospital in Kathmandu, tends to a victim there shortly after the earthquake.



Key Facts About the Nepal Earthquake

\$23K

RAISED FOR NEPAL VICTIMS BY MCW FACULTY, STAFF AND COMMUNITY GROUPS

8,700 DEAD | 16,800 INJURED

473,000 HOUSES DESTROYED | 2.8M DISPLACED

Mt. Everest Shrank as Nepal Quake Lifted Kathmandu



CLIMBERS DIED AT MOUNT EVEREST BASE CAMP WHEN THE QUAKE SPARKED AN AVALANCHE

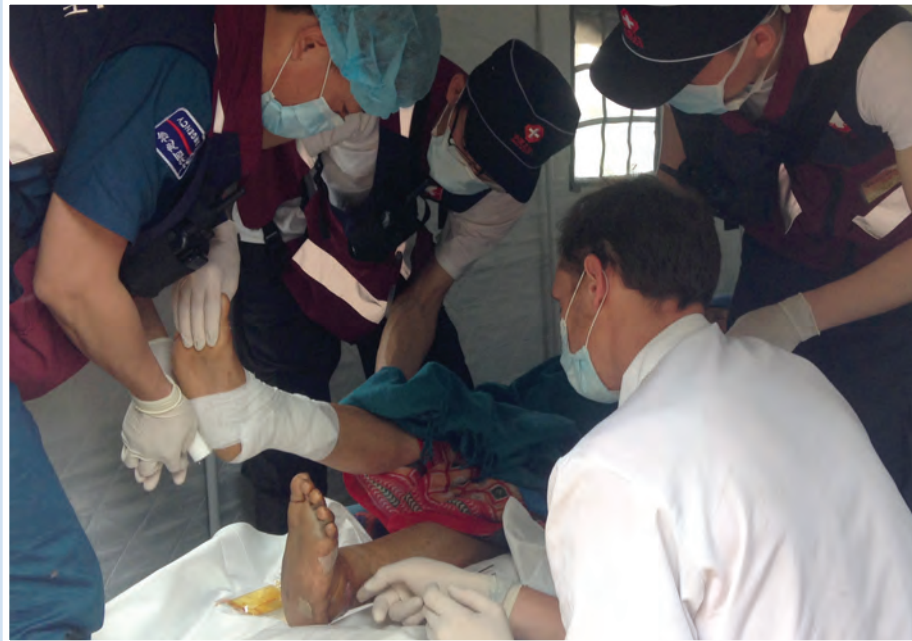
7.8 MAGNITUDE EARTHQUAKE IN NEPAL



3.5M

PEOPLE WERE IN NEED OF FOOD, WATER & ASSISTANCE

Source: UN Dispatch, May 18, 2015



Sean Degmetich, MD '15 (bottom right), other MCW medical students and a resident rounded on patients, cleaned wounds and subbed in on surgeries in the city of Dhulikhel, where they met with an overwhelming number of injured patients who were triaged on sidewalks and under tents.

And in the midst of the chaos and devastation were the MCW medical students, resident and their mentors/leaders Ted MacKinney, MD '85, MPH, assistant professor of medicine (internal medicine) and his wife, Rachel. The medical trainees were in Nepal on a travel scholarship provided by MCW's long-term funders including The John M. Kohler Family Foundation, Wheaton-St. Joseph Hospital PES Fund and Sue A. Ewens, PhD. The trainees were concluding a one-month rotation in Nepal designed to introduce them to global health. They got that introduction...and much more.

The damage at Chitwan National Park, where the students were visiting, was minor. But when reports of the devastation started coming in from Kathmandu (the epicenter of the quake), the students were eager to return there to help. Returning, however, was no mean feat. "We had to stay an extra night because of landslides, and then what had been a five-hour trip took 12 hours. There was another landslide on the way back," Dr. Degmetich explains.

"We were outside eating lunch under an awning when the quake started. Trees were swaying and we were wobbling around. It felt like I was surfing on the earth."

—Dr. Sean Degmetich

"Every aftershock, people were screaming and running into the streets. They were terrified because of what they'd seen and heard about the level of destruction," he adds.

Dr. MacKinney advised the group to travel to Dhulikhel, where the needs were greatest. When they arrived, they were met with an overwhelming number of injured patients who were triaged on the sidewalks and under tents in front of hospitals.

"We rounded on patients, cleaned wounds, subbed in on surgeries, and helped wherever we could," says Dr.

Nosavan. The students slept outside under a tent for safety during aftershocks, which continued for days.

While the students worked in Dhulikhel, Dr. MacKinney ran the ICU in a Kathmandu hospital. "I was the only ICU doctor for almost ten days because the other physician was dealing with the destruction of his home and neighborhood. It was difficult to negotiate with some caregivers who were frightened to be on the third floor, where the ICU is located," Dr. MacKinney shares.

While the experience was "overwhelming and unexpected" (to use the students' words), it was a valuable experience in multiple ways. "It definitely piqued my interest not only in global medicine, but in disaster medicine specifically," says Dr. Nosavan. Dr. Degmetich agrees. "This was really valuable experience...to be there to see everything unfold before our eyes. Nina and I have a real interest in healthcare issues in developing areas of the world."

"Medical students in the US have a particular type of training that is very

"Medical students in the US have a particular type of training that is very Western in nature, but with our changing and evolving culture, our physicians need to be prepared to see diseases and conditions prevalent around the globe. Students who do clinical rotations in developing nations have a very different experience than their peers in urban and suburban hospitals."

—Dr. Ted MacKinney

Western in nature, but with our changing and evolving culture, our physicians need to be prepared to see diseases and conditions prevalent around the globe," says Dr. MacKinney. "Students who do clinical rotations in developing nations have a very different experience than their peers in urban and suburban hospitals."

The conditions and cultures may have been different, but the students noted many similarities as well.

"I don't think any of us ever felt we didn't know what we were doing. I just didn't want to be a burden, especially given the lack of resources and language barriers. But my MCW medical education prepared me well," Dr. Degmetich notes.

For Drs. Degmetich and Nosavan, the whirlwind didn't end when their plane touched down in Chicago several days later. Within ten days of returning from Nepal, they'd completed their final medical school tests at MCW, graduated, and married one another. ■

Photos courtesy of Dr. Ted MacKinney and Dr. Sean Degmetich



Nina Nosavan, MD '15, and Sean Degmetich, MD '15, who got married shortly after their return from Nepal, now have an enhanced interest in global healthcare and disaster medicine.

HOW YOU CAN HELP

MCW's Office of Global Health and Office of Development have launched the MCW Nepal Earthquake Fund to support efforts there. You can help at www.mcw.edu/nepalearthquakefund.

To date, we have raised more than \$23,000.

Funds go directly to the hospitals in dire need of resources to care for earthquake victims. These resources include medical supplies, surgical equipment, sanitation gear, and water purification kits.

The fund will not support salaries or hospital administrative expenses.

To read more, visit mcw.edu/nepal



Sharon K. Wadina

“Our mother would be proud to have her name associated with Dr. Turaga. His constant desire to excel and cure cancer exemplifies the very best of academic medicine.”

— Derek and Curt Wadina

Dr. Kiran Turaga



Physician Honored for Pioneering Cancer Work

Kiran Turaga, MD, MPH, Sharon K. Wadina Endowed Professor in Sarcoma Research and associate professor of surgery (surgical oncology) at MCW, already has experienced a great deal of success in his short career. It’s hard not to think that his sense of priorities has something to do with it.

“When I retire, I want to look back on the impact I had on the region and the world,” Dr. Turaga says. “I want to leave a legacy of having done something different in my research and patient care that helped reduce the suffering of others. I want to know I’ve effectively trained enough other people so they can continue to have an impact when I’m gone.”

Dr. Turaga’s hoped-for impact is coupled with a strong desire to cure cancer. He has had this drive since childhood, when his grandfather died of lung cancer. “My grandfather is the reason I became a surgeon,” Dr. Turaga remarks. “I wanted to see if I could do more to have an impact on this terrible disease. I like to think differently about what is possible.”

One area where Dr. Turaga is doing things differently is his clinical and research work with sarcomas, especially rare tumors that occur in the abdominal cavity behind the peritoneum (retroperitoneum), which can become large masses occupying more than half of the abdomen. Dr. Turaga is a surgical expert in the management of complex sarcomas; his work was featured in *USA Today* last year after one such surgery. He actively participates in the Froedtert & the Medical College of Wisconsin collaborative approach with medical oncologists, vascular surgeons, radiation oncologists, pathologists, orthopaedic oncologists and radiologists to provide the best care for patients.

Dr. Turaga has enhanced his surgical skills in the management of sarcomas through significant expertise in regional therapies, which combine surgery with regional delivery of chemotherapy in order to minimize full-body side effects. He is among the first researchers to report on the use of a novel technique called “isolated limb infusion” in its applications to sarcomas to preserve leg function. In addition, Dr. Turaga has utilized heated intraperitoneal chemotherapy (HIPEC) to

treat small round cell tumors, a form of sarcomas prevalent in children and young adults. This innovative approach was recognized at the 2015 International Symposium on Regional Cancer Therapies.

HIPEC is used to treat advanced abdominal surface cancers. The procedure involves flushing the abdomen with a high dosage of 108-degree chemo for 90 minutes immediately after a surgical team removes all the surface cancer they can find. During the process the chemo is distributed to all areas with intent to kill all remaining cancer cells.

Dr. Turaga’s research on sarcoma also has explored the use of chemotherapy for patients with completely removed sarcomas. His team at Froedtert & the Medical College of Wisconsin – challenging conventional wisdom – proved that routine use of such chemotherapy actually might be harmful for select patients. In addition, it has examined disparities by age in patients undergoing treatment for sarcomas, and has guided the management of solitary fibrous tumors in the retroperitoneum.

For fostering scholarship, academic advancement and clinical excellence since joining MCW in July 2010, Dr. Turaga recently was named the Sharon K. Wadina Endowed Professor in Sarcoma Research, which is funded through a generous gift from the late Sharon (Sherry) Wadina (who died in 2013) and her family. Dr. Turaga says that receiving the endowed chair was an incredible honor, and that he plans to use funds from the gift to study sarcoma disease predictors.

According to Derek Wadina and his brother, Curt, “Our mother would be proud to have her name associated with Dr. Turaga. His constant desire to excel and cure cancer exemplifies the very best of academic medicine.” ■

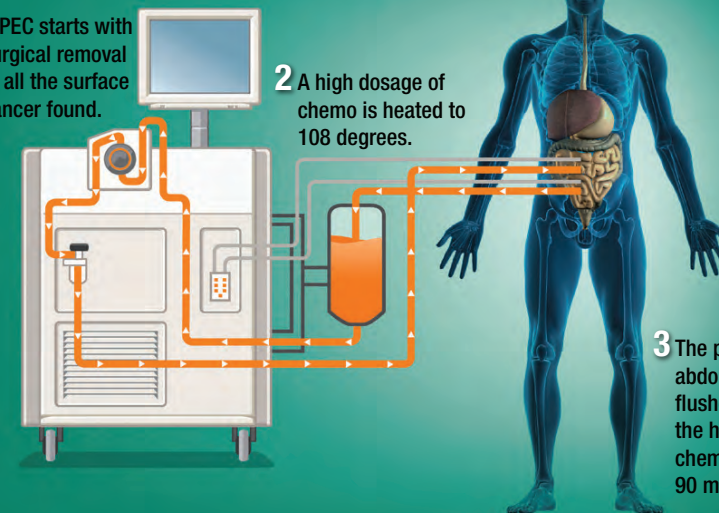
— ANTHONY BRAZA

Flushing Away Cancer: Heat + Chemo

1 HIPEC starts with surgical removal of all the surface cancer found.

2 A high dosage of chemo is heated to 108 degrees.

3 The patient’s abdomen is flushed with the heated chemo for 90 minutes.



To read more, visit mcw.edu/turaga



Helping Real Patients with Real Medical Issues



At the Saturday Clinic for the Uninsured, Kelechi Ndukwe (MCW Class of 2019) obtains a patient's medical history before performing a preliminary physical examination.

Photos courtesy of Gary Porter

On a warm July day at the Medical College of Wisconsin's Saturday Clinic for the Uninsured, MCW medical students and physician volunteers generate a constant, collaborative buzz in a room that serves as the hub of the Columbia St. Mary's (CSM) Family Health Center in Milwaukee. It's a meeting of the minds, a diagnostic process and a classroom session – all in one. More importantly, it represents a valuable free resource for patients who have come seeking medical attention.

Amid the blended voices comes the steady baritone of Walter Shapiro, MD, who explains to medical student Naimul Alam (MCW Class of 2018) the effects of certain maintenance drugs on the anatomy. The energy of the 91-year-old physician, who volunteers at the clinic nearly every other

weekend, belies his age. "I love to teach," Dr. Shapiro remarks. "I love to try to see that I can light up something in someone else's mind. It's a real joy to me, and it keeps me active."

Sitting nearby, Jack Kaufman, MD, asks an MCW student for details on the medical history taken from a patient, then provides direction for treatment. The educational nature of the clinic is a natural extension for Dr. Kaufman. "I enjoy being around the students," he says. "My whole life has been teaching at the Medical College of Wisconsin."

Across the room, Ken Schellhase, MD, MPH, is getting his first taste of the MCW clinic, although his involvement at free clinics started decades ago before his first year of medical school. "It was a way for me to figure out how I would do interacting with people in a clinical setting," notes Dr. Schellhase,

professor of family medicine at MCW and medical director of the Children's Community Health Plan.

This is at the heart of the experience for MCW students – helping real patients with real medical issues.

Physician-in-training Ellie Olander (MCW Class of 2018) recalls encountering a patient who needed her blood drawn on a day when the clinic staff had no phlebotomist. Olander informed the patient that she'd only drawn blood once before. "She asked me how it went, and I said just fine. So she sat down in the chair, stuck out her arm, and said, 'Let's do it!' And to my surprise, it couldn't have gone any better."

The Saturday Clinic is unique compared to other clinics because MCW students are in charge of day-to-day operations in addition to patient care

and education. MCW provides its own lab supplies and pharmaceuticals, while CSM offers clinic space and some diagnostic testing. Paul Dyrud (Class of 2018), the clinic's physician coordinator, explains that a student will first escort a patient to a private room, obtain the medical history, and perform a preliminary physical examination. Typically, a first- or second-year student will then present the patient to a third- or fourth-year colleague, who finishes the exam and shares the information with a physician volunteer. During the summer, when fewer students staff the clinic, students present directly to physicians.

During the week, clinic director and MCW assistant professor of family and community medicine, Rebecca Lundh, MD '07, GME '10, works with student managers to review charts, lab results and referral requests to provide follow-up care for patients.

Olander, now a student manager who began volunteering as a Marquette University undergrad, says the clinic has made her a creative critical thinker. She explains that a patient who spoke only French called the clinic to set up an endocrinology referral. "We have access only to a phone translator system, which isn't always the most efficient tool, but the day before the appointment I was able to find a fellow medical student who spoke some French and offered to help out. It not only made my job easier but made the patient more comfortable."

On this day, a son accompanies his mother into an exam room to serve as a translator. Dr. Kaufman mentions that there is an enclave of Russians living in Milwaukee, and they can be difficult to understand, but that Hispanic patients usually speak sufficient English – or the MCW students know sufficient Spanish – to communicate what's needed. "This teaches



Above: Naimul Alam (MCW Class of 2018) and Dr. Walter Shapiro listen intently as a patient describes her symptoms. Below: Dr. Jack Kaufman prepares an injection as Paul Dyrud (MCW Class of 2018) looks on.

FAST FACTS

WHAT: Saturday Clinic for the Uninsured, a collaborative program between MCW and Columbia St. Mary's (CSM), founded in 1991

WHEN: 50 Saturday mornings a year, starting at 8 a.m.

WHERE: CSM Family Health Center, 1121 E. North Avenue, Milwaukee

WHO: MCW second-year medical students coordinate the clinic; students from the M1–M4 years and two to five physician volunteers see an average of 15 patients each Saturday (about 750 patients annually); 32 physicians are involved in the clinic, with 12–15 volunteering at least monthly.

14 of the 32 physician volunteers are MCW alumni

students how to approach these kinds of patients, to allay the patient's apprehensions," Dr. Kaufman explains.

Dr. Schellhase believes the most important lesson to pass along to students is "to treat people with the utmost respect and make them feel like this isn't a free clinic, but rather like any other clinic that would treat them as if they had Cadillac insurance." He shares that the majority of today's medical students generally do not come from low-income backgrounds, "so this is a way to expose them, to a degree, to what it's really like out there for a portion of our population who unfortunately are financially vulnerable."

Dr. Shapiro, who practiced for more than 45 years at St. Luke's Hospital, emphasizes to students that they think through the history of a patient –

which can be as informative as the physical exam or laboratory work. He also emphasizes eye contact and avoiding too much focus on the computer during an exam. "With patients who came back to me all the time, I could tell how they felt before they even said anything to me. You see it in gestures, in posture, in attitude, in voice, in tone." The best medical students, he stresses, maintain their intense curiosity.

Dr. Shapiro continues to be very proud of the individuals in his vocation, adding, "There really is a great sense of morality in the profession." Considering his own volunteerism and that of the medical students and physicians around him at the clinic on Saturdays, "benevolence" and "kindness" could be added to Dr. Shapiro's assessment. ■ – JOHN BURLINGHAM



Daughter's Legacy Inspires Planned Gift



Jacqueline Spencer Macomber, inspired by the passion and community work of her daughter, Christy, created a planned gift to establish an endowed chair in breast cancer research.

Christine Hamilton Foote, better known as "Christy," was the type of person whose determination to live a full life and help others was emboldened by her own struggle with breast cancer.

Christy was diagnosed with breast cancer in 1998. "But, no matter how she felt, she never complained," says Jacqueline Spencer Macomber, Christy's mother.

"It seemed to give her greater resolve," notes Macomber. Faced with the diagnosis, Christy chose to continue living the very full life she had built.

"Christy's many friends and family were very supportive during the treatment," says Macomber, "enabling her to fight hard for her life and the lives of others with breast cancer."

Christy jumped swiftly into fundraising for Wisconsin Breast Cancer Showhouse, Inc. (WBCS), founded in 1998 as an all-volunteer organization to support breast cancer and prostate cancer research at MCW. An active golfer and member of the Milwaukee

and Chenequa Country Clubs, Christy was a natural choice to develop and lead an annual golf outing to support WBCS. Later named *Tee Up for a Cure*, this successful and much-anticipated event has contributed significantly to the more than \$5.5 million donated by WBCS to MCW cancer research over the past 18 years.

Underscoring Christy's dedication to improving treatments and reducing the burden of cancer, she also served as a member of the MCW Cancer Center Board of Directors from 2003-2014. In partnership with her board colleagues, Christy succeeded in creating awareness and stimulating philanthropic investment in the MCW Cancer Center.

In addition to working on the golf outing and the MCW Cancer Center board, Christy was a mentor with After Breast Cancer Diagnosis, an organization founded to provide one-to-one support for individuals dealing with recent breast cancer diagnoses. In her mentor role, Christy provided emotional support, helped breast

cancer patients find resources, answered their questions, and discussed topics related to treatment, their careers, family, friends – or any other area of concern.

"It was just like her," says Macomber. "Christy was an active, outgoing person who was very thoughtful about the needs of other people."

Christy's support for others never wavered despite the highs and lows of remission and recurrence of her disease. After Christy's death from breast cancer in 2014, WBCS dedicated its 17th annual Showhouse for a Cure event in her name and in June 2015, the MCW Cancer Center Board named her as director emeritus.

To ensure Christy's legacy and special connection and contributions to the MCW Cancer Center and WBCS, Macomber established a planned gift in the form of a bequest of \$1 million to create the Christine Hamilton Foote Endowed Chair in Breast Cancer Research at MCW. Endowed chairs at MCW are a critical component for improving MCW's ability to attract, retain and recognize faculty members who are leaders in their respective fields. By endowing this chair, Macomber is providing crucial support to the advancement of breast cancer research at MCW.

Inspired by science's potential to someday cure breast cancer, Macomber hopes her gift will contribute to better treatments and bring hope to families supporting loved ones with the disease.

"I am very proud of my daughter's passion and work in the community," says Macomber, "and I am glad that my contribution to MCW will support progress in breast cancer research for many years to come in Christine Hamilton Foote's name." ■

– GREG CALHOUN



Lesley Mack, a fixture in MCW's medical school administration for four decades, has enjoyed the devotion of thousands of students who found her office to be a place of safe harbor.

Registrar Bids Adieu to Beloved Students

Lesley Mack, who for 40 years has been one of the most recognizable faces at MCW, is bidding adieu to her beloved medical students. In October, she will retire as MCW registrar to start a new chapter in her life of extraordinary service.

Mack had planned to become an elementary school teacher; her mother had been one and had instilled the value of education within the Mack household. Mack attended college to pursue this intergenerational career.

In May 1975, Mack took a job as the assistant to the director of medical education in the department of pediatrics at Children's Hospital of Wisconsin. She immediately was enamored of medical education – and an accidental career path was born. "I liked it much more than I had ever expected – especially the students, whom I found intellectually challenging," Mack says. She found it so interesting that she turned down a teaching job for which she had trained in order to continue working in medical education.

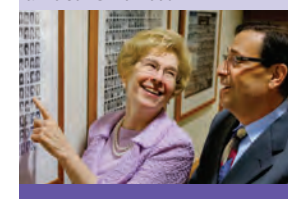
In April 1978, Mack took a new position in MCW's office of admissions and registrar, and in short order, was named the office's interim director.

"I was introduced to Lesley nearly forty years ago as the person you go to if you needed anything done, and she has proven her special talents time and time again," remarks Bruce Green, MD '78, former US Air Force Surgeon General.

Mack's interim status became permanent when she earned the director's job in December 1979. When the office of admissions and registrar separated in 1997, Mack contin-

HOW YOU CAN HELP

If you would like to make a contribution to support the Lesley A. Mack Endowed Scholarship Fund, please contact Angela Nelson, senior director of development and alumni relations, at (414) 955-4708 or annelson@mcw.edu.



ued to serve as MCW's registrar.

"Lesley has an exceptional eye for detail and keeps meticulous records, but it is her empathy that has most enabled her to excel. When a student needs her help, she is with them 100 percent," says Richard Holloway, PhD, professor and associate chair of family and community medicine and associate dean for student affairs emeritus.

In her role as registrar, Mack has witnessed the early professional phases of many who have become leaders in clinics, classrooms, laboratories and academic medical centers. "They all go through a few bumps on the journey, and I considered my office a place of safe harbor. I've walked with the students

through the valleys of family funerals as well as the peaks of Commencement, weddings and new babies."

Even in retirement, Mack's legacy of helping students will continue – through donations to the Lesley A. Mack Endowed Scholarship Fund. The Fund was created by MCW and MCW alumni to honor her lifetime of service to MCW's medical students. She was named an honorary alumna in 1996.

"What better way to honor Lesley's dedicated service than by setting up a fund that will help those she so dearly loves," notes Brian Bear, MD '84, GME '89, president of the Medical College of Wisconsin/Marquette Medical Alumni Association. ■

– GREG CALHOUN

To read more, visit mcw.edu/mack

HAPPENINGS



Donors attending the 2015 Imagine More Dinner included members of the family of long-time MCW faculty member Marvin Wagner, MD '44, MS '51. From left to right, Jeffrey Wagner (son), Dyan Wagner, Rachel Wagner and Benjamin Wagner (grandson), event co-chair.

Dinner Supports Neurosciences Research

The third annual Imagine More Dinner supporting neuroscience research at MCW was held in late June at the Wisconsin Club. The

evening's keynote speaker was Jon Lehrmann, MD '90, GME '94, the Charles E. Kubly Professor and Chair in Psychiatry and Behavioral Medicine. The

\$25,000 Imagine More Award for Research was presented to Allison Ebert, PhD, assistant professor of cell biology, neurobiology and anatomy.



Showhouse for a Cure Dazzles Visitors, Raises Funds for Breast and Prostate Cancer Research

In June, 22 Milwaukee design firms transformed the Wisconsin Breast Cancer Showhouse, Inc.'s 2015 Showhouse for a Cure, located in Shorewood. Since 1998, the WBCS has provided more than \$5.5 million to advance breast cancer and prostate cancer research at MCW.

Stay Connected with MCW

We'd love to hear from you! We'll post your event comments and photos. Or, let us know what's coming up. Send your materials to MCWmagazine@mcw.edu.

Find us on:    

Photo courtesy of Barry Himmelfoch



MCW medical students hoist the Caduceus Cup after defeating the softball team from the Marquette University School of Dentistry at the 9th annual Thriller at Miller.

2015 Healthcare Dinner to Feature Adm. Mike Mullen, Benefit the Digestive Disease Center

The 22nd Healthcare Dinner, scheduled for November 18 at The Pfister Hotel in Milwaukee, will feature keynote speaker Admiral Mike Mullen (Ret.), 17th chair of the Joint Chiefs of Staff, 28th chief of naval operations, and principal military advisor to Presidents George W. Bush and Barack Obama. Sue and Curt Culver will receive the Warren P. Knowles Award at the dinner.

Aron Geurts, PhD, Wins Steve Cullen Healthy Heart Scholar Award


Aron Geurts, PhD, associate professor of physiology, is the first recipient of the \$25,000 Steve Cullen Healthy Heart Scholar Award, specifically for his work in cardiovascular research. The award is funded by proceeds from the annual Steve Cullen Healthy Heart

Club Run/Walk, held in memory of Steve Cullen, a former Milwaukee alderman who died at the age of 40 of sudden cardiac arrhythmia.

Five MCW Speakers Featured in the 2015 Women in Science Series

The 2015 Women in Science Series features four MCW women researchers who have made outstanding strides in conducting research on their respective health topics and one senior female staff member who spoke on creative intelligence. The series began April 16 and concludes October 29 with the ninth annual Women Pioneers in Research Awards. These include a \$10,000 research award for faculty and the \$1,000 Edward J. Lennon, MD, Award for an Outstanding MCW Woman Postdoctoral Researcher.

For information on the 2016 Series, contact Alyssa Molbeck at (414) 955-5828

 To read more, visit mcw.edu/happenings

UPCOMING EVENTS

STRIKES FOR HOPE

» 8TH ANNUAL STRIKES FOR HOPE CHARITY BOWLING TOURNAMENT

DATE: JANUARY 23, 2016

WHERE: SUSSEX BOWL IN SUSSEX, WI.

ENJOY GOLF IN ARIZONA

» 2016 FROEDTERT & MCW ANNUAL DESERT CLASSIC

DATE: MARCH 11 2016

COURSE: WHIRLWIND GOLF COURSE, CHANDLER, ARIZ.



ALUMNI: SAVE THE DATES!

» 2016 ALUMNI WEEKEND

DATE: APRIL 29-30, 2016

» 50-YEAR REUNION

DATE: MAY 20-21, 2016

ALUMNI NOTES

1940s

Leo J. Tauber, MD '42, FACP, recently celebrated his 99th birthday and was featured in the "My Kind of Medicine" department of the August 2015 issue of *American College of Physicians™ IMPact* newsletter. Dr. Tauber retired in 1992 after more than 50 years of practicing internal medicine, but he continues to enjoy learning about the latest advancements in medicine.

1980s

Robert B. Anderson, MD '83, recently performed ankle surgery on Detroit Red Wings' hockey player Pavel Datsyuk to repair ruptured tendons. Dr. Andersen, an orthopaedic surgeon, is a founding member of the Foot & Ankle Institute at OrthoCarolina in Gastonia, N.C.



Tom Aufderheide, MD, GME '86, MS '13, received a Lifetime Achievement Award from the *Milwaukee Business Journal* as part of the publication's 2015 Eureka Awards. Also, Dr. Aufderheide served on an Institute of Medicine panel that released a report on cardiac arrest. Dr. Aufderheide serves as professor of emergency medicine at MCW.

Diane Braza, MD '87, GME '93, led planning for the second annual EveryBODY Plays! Adaptive Sports and Recreation Expo, held July 25 in West Allis, Wis. More information can be found online at the MCW department of physical medicine and rehabilitation's web page.

Michael R. Kuettel, MD, PhD '83, MBA, FASTRO, was among three new officers elected to serve on the board of directors of the American Society for Radiation Oncology. Dr. Kuettel is professor and chair of radiation medicine at Roswell Park Cancer Institute in Buffalo, N.Y.

Reza Shaker, MD, FEL '88, received a five-year, \$664,000 grant from the National Institute of Diabetes and Digestive and Kidney Diseases to continue the Gastroenterology Postdoctoral Research Training Program at MCW for 10 postdoctoral fellows interested in a research career in academic gastroenterology. Dr. Shaker is the Joseph E. Geenan Professor and chief, division of gastroenterology and hepatology, senior associate dean and director of the Clinical and Translational Science Institute at MCW.

Randal (Randy) Vosters, MD '87, recently underwent cochlear implant surgery at Froedtert & the Medical College of Wisconsin to improve his hearing. His story was reported by AOL and other media outlets.

1990s



William R. Drobyski, MD '90, received a four-year, \$1.5 million grant from the National Institutes of Health's National Heart, Lung and Blood Institute to research the pathophysiology of graft-versus-host disease in allogeneic hematopoietic stem cell transplant recipients. Dr. Drobyski serves as professor of medicine, pediatrics, microbiology and molecular genetics at MCW.

Donald L. Jacobs, MD, FEL '94, was appointed chair of surgery at Saint Louis University. Dr. Jacobs also serves as professor of surgery (vascular surgery) and director of the vascular surgery residency program at that institution.



David L. Mattson, PhD '90, is part of an MCW team that received \$3.7 million from the American Heart Association to study epigenetic hypertension research. See pages 16-17 for more information on the AHA grant. Dr. Mattson is professor of physiology at MCW.

2000s

Joseph Carroll, PhD '02, received a two-year, \$500,000 grant from the Edward N. and Della L. Thome Memorial Foundation to develop new strategies to diagnose age-related macular degeneration earlier, utilizing adaptive optics retinal imaging.

Srividya Kidambi, MD, MS '08, FEL '08, is part of an MCW team that received \$3.7 million from the American Heart Association to study epigenetic hypertension research. See pages 16-17 for more information on the AHA grant. Dr. Kidambi is assistant professor of medicine at MCW.

Jonathan M. Fritz, JD, MS '05, joined Symphony Corporation as the Chief Revenue Officer and Director of New Ventures. Fritz previously was a partner of a large Midwestern law firm where he practiced BioMedical IT patent and venture capital law. Symphony provides an outcomes-based approach to healthcare technol-

ogy management and product development. Fritz resides in Madison, Wis. and serves on the board of the Wisconsin Technology Council.



Jacquelyn Kulinski, MD '08, was the lead author on a study that compared sedentary time and physical activity in relation to the hardening of the coronary artery. The study, which included more than 2,000 adult participants in Dallas, was presented at the American College of Cardiology's 64th Annual Scientific Session in San Diego. Dr. Kulinski is an assistant professor of medicine at MCW.

2010s

Stephanie Cossette, PhD '12, led an MCW team that was one of 13 teams to win the Neuro Startup Challenge. Dr. Cossette is a post-doctoral research fellow at MCW and president and CEO of Angio360 Diagnostics LLC, the biotech company founded by the MCW team to create products monitoring the effectiveness of cancer treatments.

2016 Alumni Clinical Conference
February 29 – March 4, 2016

Save the Date!

Sand Key Sheraton
Clearwater Beach,
Florida

Earn CME Credit

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IN MEMORIAM

1940s

Jerry J. Dragovich, MD '45, of Mount Vernon, Wash., died October 17, 2014, at the age of 95. He practiced as an ear, nose and throat specialist and allergist in West Seattle and Bremerton until age 85. Dr. Dragovich is survived by seven children, 12 grandchildren and three great-grandchildren.

James A. Means III, MD '47, of Butler, Wis., died July 5, 2015, at the age of 91. He practiced in the Milwaukee area for most of his 47 years as an active physician. During the 1960s, he was instrumental in spreading kidney dialysis treatment throughout Wisconsin and into Michigan's Upper Peninsula. Dr. Means is survived by his wife, Marcella, four children, 11 grandchildren and 10 great-grandchildren.

1950s

George F. Lucas, MD '50, of Oglesby, Ill., died December 16, 2014, at the age of 93. He practiced medicine in Oglesby from 1954 until his retirement in 1986. Survivors include two children, 10 grandchildren and one great-grandchild.

Robert W. Jarka, MD '52, of Grand Rapids, Mich., died February 24, 2015, at age 91. He was one of the first two orthopaedic surgeons to perform total hip replacement in Michigan. Dr. Jarka is survived by two children and two grandchildren.

Harry M. Cutting, MD '53, of Libertyville, Ill., died August 30, 2015, at the age of 92. He ran a private family practice in Milwaukee for 35 years. Dr. Cutting is survived by his wife, Ruth, three children, three grandchildren and five great-grandchildren.

Thomas J. Cox, MD '54, of Mequon, Wis., died July 17, 2015, at the age of 85. In addition to growing the Glendale (Wis.) Clinic, Dr. Cox served as the president of St. Mary's Hospital in Milwaukee from 1985-1988. He is survived by six children, 20 grandchildren and seven great-grandchildren.

Robert C. Zuege, MD '55, of Mequon, Wis., died July 30, 2015, at the age of 85. He practiced as an orthopaedic surgeon with Blount Orthopedic Group and performed Wisconsin's first total hip replacement. Dr. Zuege is survived by three children and 10 grandchildren.

Gordon Rumhoff, MD '56, of Franklin, Wis., died July 30, 2015, at the age of 83. He practiced family medicine in West Allis, Wis. Survivors include his wife, Patricia, daughter, Susan, and two grandchildren.

John M. Tarle, MD '56, of Los Angeles, Calif., died February 4, 2014, at the age of 84. He practiced pediatric medicine in Santa Monica, Calif. Dr. Tarle is survived by his wife, Patricia, six children, grandchildren and great-grandchildren.

Thomas J. Krizek, MD '57, of Whittier, N.C., died August 5, 2015, at the age of 82. Dr. Krizek pursued his passion of teaching by instructing students in plastic and reconstructive surgery at seven different medical schools before retiring to teach religious studies. He is survived by his wife, Claudette, five children and six great-grandchildren.

John C. Teich, MD '57, of Springfield, Ill., died March 18, 2015, at the age of 83. He served as an obstetrician and gynecologist at St. John's Hospital and Memorial Medical Center in Springfield, Ill., and also as associate clinical professor of obstetrics and gynecology at Southern Illinois University School of Medicine. Dr. Teich is survived by his wife, Barbara, six children and 12 grandchildren.

Robert F. Lipo, MD '58, of Milwaukee, Wis., died July 13, 2015, at the age of 83. Dr. Lipo served in the United States Army and retired with the rank of Colonel. Survivors include his wife, Irene, three children and seven grandchildren.

1960s

Richard A. Collins, MD '62, of Santa Fe, N.M., died March 5, 2015, at the age of 90. He specialized in clinical and anatomic pathology. After retiring from clinical practice in 1996, Dr. Collins competed nationally in ballroom dancing competitions.

Armin M. Sadoff, MD '62, of Los Angeles, Calif., died November 15, 2014, at the age of 78. He is survived by his wife, Barbara, three children and five grandchildren.

Grace Susan Wolff, MD '65, of Coral Gables, Fla., died July 16, 2015. She was professor and director of pediatric cardiology at the University of Miami Medical School. Dr. Wolff was known for innovative diagnostic and treatment solutions related to abnormal heart rhythms. She is survived by her husband, Armando Perez, PhD.

David K. Dorman, MD '68, of Brookfield, Wis., died July 29, 2015, at the age of 72. As a plastic and reconstructive surgeon, he primarily worked at Elmbrook Memorial Hospital. Dr. Dorman served as vice president of medical affairs there from 2001-2003 and again from 2007-2008. He is survived by his wife, Donna, two children and two grandchildren.

Thomas P. Driscoll, MD '69, of Wauwatosa, Wis., died July 18, 2015, at the age of 72. For more than 40 years, he practiced medicine at St. Joseph's Hospital and Elmbrook Memorial Hospital. Survivors include his wife, Patricia, five children and five grandchildren.

1970s

John M. Larsen, MD '76, of Dunnellon, Fla., died May 15, 2015, at the age of 73. He practiced emer-

gency medicine in Kenosha, Wis., and Everett, Wash., and later served as a clinic physician at Boeing and Hanford Nuclear Site. Dr. Larsen is survived by his wife, Seija, three children and five great-grandchildren.

1980s

Michael J. Murray, MD '82, of Eau Claire, Wis., died May 19, 2015, at the age of 61.

1990s

Kathryn M. "Kathy" Gauthier, PhD '98, associate professor of pharmacology and toxicology, died July 13, 2015, at the age of 60. She started her career at MCW in 2002 as an assistant professor and was promoted to associate professor in 2008. Her research focused on the effect of arachidonic acid products on smooth muscle relaxation of small resistance arteries. Dr. Gauthier is survived by her husband, Tom, and three children.

2000s

Richard S. Rasmussen, MD, MPH '08, of Grand Rapids, Mich., died on April 20, 2015, at the age of 66.

Other Special Remembrances

Lawrence J. Clowry, Jr., MD, of Milwaukee, Wis., died on August 9, 2015, at the age of 82. For much of his career, he was professor of pathology at MCW and a dedicated teacher and mentor for medical students and residents. In retirement, he continued to volunteer at MCW teaching anatomy. Survivors include his wife, Mary Fernandez-Clowry, MD '70, five children and eight grandchildren. Dr. Clowry's daughter, Margaret Clowry, MD, graduated from MCW in 1987.

Stavri Joseph, of Wauwatosa, Wis., died on September 7, 2015, at the age of 94. Joseph joined the Marquette University School of Medicine (MCW's predecessor institution) in 1950 as department administrator in pathology. He later served MCW as the director of teaching facilities and as special assistant to the president for alumni relations. Joseph was named an honorary alumnus in 1979 and received MCW's Distinguished Service Award in 1984. He is survived by his two children as well as numerous grandchildren and great-grandchildren.



James S. Hyde, PhD



Dr. Hyde is the James S. Hyde Professor of Biophysics and director of the National Biomedical Electron Paramagnetic Resonance Center (EPR) at MCW.

What Drives You?

I experience a sense of pleasure, presumably arising from the reward circuitry of my brain, when I feel that I have done something creative.

What Has Been the Highlight of Your Career?

Winning the Gold Medal of the International Society for Magnetic Resonance in Medicine.

What Do You Still Hope to Accomplish Over Your Career?

I have two scientific careers, one in EPR and one in magnetic resonance imaging (MRI). In EPR, my colleagues and I have introduced a new method called "NARS" that is based on modern digital technology. We are currently trying to persuade the EPR community to pay attention by writing as many papers as possible. There is an element of scientific marketing here.

In MRI, my colleagues and I introduced a new method called "resting-state functional MRI" (fMRI). The MRI community is paying an enormous amount of attention and the competition has become extreme. However, we have found a niche – rat brain imaging at ultra-high resolution – where we consider ourselves to be world leaders, and we will pursue this opportunity.

What Would You Like Your MCW Legacy to Be?

An outstanding Department of Biophysics.

What One Piece of Advice Would You Like to Share With Your Colleagues?

Creativity can be learned; strive to become creative.

Change Agent highlights a Medical College of Wisconsin faculty or staff member who has had significant impact on the institution's mission to be a leading innovator in transforming healthcare and advancing the health of our communities.

Dr. Hyde is internationally recognized for his research in the development, enhancement and application of electron paramagnetic resonance (EPR) instrumentation and magnetic resonance imaging (MRI) technologies and applications. He has received more than \$55 million in direct federal grant support as the principal investigator, including the grant that funds MCW's National Biomedical EPR Center.

Dr. Hyde's work in EPR and MRI has ongoing implications for research and healthcare in many fields including radiology, neurology, plastic surgery, gastroenterology and ophthalmology. He has published more than 400 articles in medical and physical science peer-reviewed journals and has secured 35 US patents in imaging and EPR technology. Additionally, Dr. Hyde led MCW's interdisciplinary team that was among the first in the world to develop functional MRI (fMRI) of the working brain.

Much of Dr. Hyde's work is conducted in the Daniel M. Soref Imaging Research Facility at MCW, which is funded by a generous gift from the Daniel M. Soref Charitable Trust. ■

A MOMENT IN HISTORY

Eleanor Delfs, MD, Joins the Medical School (1963)



The year 1963 witnessed a milestone event when Eleanor Delfs, MD, became the first woman to be named a full professor at the Medical College of Wisconsin's predecessor institution. Two years later, she was at the center of yet another milestone – having been awarded the institution's first endowed chair (The Patrick J. and Margaret G. McMahon Professor in Obstetrics and Gynecology).

As a clinician, Dr. Delfs was known for building strong relationships with her patients and giving generously of her time. She also provided emotional support to many expectant mothers, including the wives of her fellow physicians.

"Dr. Delfs was very special and incredibly kind," says Larry Lane, MD, GME '70, who was a resident under Dr. Delfs beginning in 1965. "It was her concept that 'you have to stay with your patient throughout her time in labor.'"

According to Dr. Lane's son, Robert Lane, MD, professor and chair of the department of pediatrics at MCW, "My father and the other residents saw Dr. Delfs as the paragon of what a physician should be. She inspired them with her leadership, her personal touch with patients and her clinical ethics of putting babies and mothers before herself."

Throughout her work in the clinic and classroom, Dr. Delfs served as a mentor for countless medical students and residents during her time at MCW.

"Clinically, I'm a neonatologist because I took after my dad," says Dr. Robert Lane, "and I think Dr. Delfs was a huge influence on his becoming the doctor that I looked up to as a kid."

"Ours was a unique program where we gained invaluable

knowledge and experience," says Dr. Larry Lane, "because rounds were free-flowing discussions and residents routinely performed significant surgeries along with post-operation care."

"All of her former residents pride themselves on being bedside obstetricians," notes Steven Azuma, MD, GME '75, a former resident under Dr. Delfs and a retired physician in Kenosha.


Dr. Delfs remained a beloved faculty member and physician until her death in 1977 from ovarian cancer. Dr. Azuma was part of a group of former residents who together with Janet Rader, MD, chair and Jack A. and Elaine D. Klieger Professor, contributed to the 2011 establishment of the Eleanor

Delfs, MD, Lectureship for Pioneers within MCW's department of obstetrics and gynecology. Each May, the department honors her memory through this special event and sponsors a leader in the field of obstetrics and gynecology to discuss state-of-the-art research and clinical practice with Milwaukee-area physicians, scientists and interested community members.

"We all wanted to help the next generation of obstetricians stay on top of the field's evolution," says Dr. Azuma, "while also contributing to it like Dr. Delfs did." ■

MAKE A CONTRIBUTION

Contributions to the Eleanor Delfs, MD, Endowed Memorial Fund can be made through MCW's secure online donation site or by contacting Angela Nelson, senior director of development and alumni relations, at (414) 955-4708 or annelson@mcw.edu.

 To read more, visit mcw.edu/delfs



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