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UMass Medicine Annual Report of Donors

Fiscal Year 2013 | July 1, 2012 – June 30, 2013

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From the Leadership

On behalf of the University of Massachusetts Medical School and UMass Memorial Health Care, thank you for believing in our mission and for endorsing our joint efforts to improve the health and wellbeing of the commonwealth and beyond. Having the support of donors like you—individuals, community groups, corporations and charitable foundations—makes an extraordinary impact on the work we do together as an academic health sciences system. You are, indeed, our partners in the truest sense of the word.

Each year, it fills us with great pride to highlight your inspiring dedication and commitment to our endeavors. Within the pages of this annual report for our 2013 fiscal year, you will learn how leadership-level gifts from charitable foundations are strengthening our efforts to bridge the gap between scientific discoveries and useable treatments by backing the build-out of laboratory spaces and funding critical translational research into developmental disabilities. You will understand how endowment gifts—the most enduring of investments—establish chairs in biomedical research, which serve to further the dynamic work of our innovative and dedicated faculty members who strive to bring cutting-edge research to bear on some of the most challenging human diseases of our time.

You will see the impact that fundraising events, such as road races, walks, golf tournaments and charity dinners, have on our cancer care and research programs, as well as how community-focused organizations have supported the purchase and maintenance of new technologies in our Neonatal Intensive Care Unit. Also, you will learn how contributions made today to scholarships are affecting tomorrow's health care providers.

It has been said before, but it bears repeating: the breadth and depth of your support is inspiring and is a critical factor to our success. We are extremely grateful to be the recipients of your generosity.

Michael F. Collins, MD

Chancellor, University of Massachusetts Medical School Senior Vice President for the Health Sciences, University of Massachusetts

Eric W. Dickson, MD, MHCM, FACEP

President and CEO, UMass Memorial Health Care

News Highlights

FY13 July 1, 2012 to June 30, 2013



Douglas T. Golenbock, MD Albert Sherman Center

UMass Memorial Breast Center Receives NAPBC accreditation

In October 2012, the Comprehensive Breast Center at UMass Memorial Medical Center was granted a three-year, full accreditation designation by the National Accreditation Program for Breast Centers (NAPBC), a program administered by the American College of Surgeons. NAPBC accreditation is only given to those centers that have voluntarily committed to provide the highest level of quality breast care and that undergo a rigorous evaluation process and review of their performance. Receiving care at a NAPBC-accredited center ensures that a patient will have access to comprehensive care, including a full range of state-of-the-art services; a multidisciplinary team approach to coordinate the best treatment options; information about ongoing clinical trials and new treatment options; and quality breast care close to home.

Two important ALS research breakthroughs made

A study published in Nature Medicine in August 2012 described a discovery made by a team of scientists, including faculty at UMass Medical School, of a gene that influences survival time in amyotrophic lateral sclerosis (ALS). The study, co-authored by Robert H. Brown, DPhil, MD, describes how the loss of activity of a receptor called *EphA4* substantially extends the lifespan of people with the disease. When coupled with a UMMS study published in July 2012 in Nature identifying a new ALS gene (profilin-1) that also works in conjunction with

EphA4, these findings suggest that suppression of *EphA4* may be a new way to treat ALS.

Another consortium of researchers at multiple institutions, including Dr. Brown and UMMS, conducted promising new research that provided evidence that ALS may be treatable using neural stem cells. Their studies showed that neural stem cells, when transplanted into the spinal cord of a mouse model with familial ALS, slowed disease onset and progression while improving motor function, breathing and survival time compared to untreated mice. A summary of these studies was published online in December 2012 in Science Translational Medicine.

A Scientists establish link between inflammatory process, Alzheimer's

In December 2012, an international team of researchers led by Douglas T. Golenbock, MD, professor of medicine and microbiology & physiological systems, and his colleagues showed that an immune and inflammatory process already established as a clinical target for rheumatoid arthritis plays an important role in the pathology of Alzheimer's disease-meaning that drugs used to disrupt production of the pro-inflammatory cytokine called interleukin-1 beta (IL-1) may one day be used to help patients with Alzheimer's.

B Albert Sherman Center opens

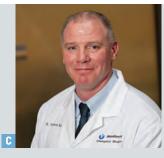
Gov. Deval Patrick headlined a host of elected officials and other dignitaries, including (now former) Lt. Gov. Tim Murray; State Senate President Therese Murray; Speaker of the House Robert DeLeo; UMass President Robert Caret; Worcester City Manager Michael O'Brien; 2006 Nobel Laureate Craig C. Mello, PhD, Howard Hughes Medical Institute investigator, the Blais University Chair in Molecular Medicine and distinguished professor of molecular medicine and cell & developmental biology; and Albert "Albie" Sherman, to mark the official opening of the Albert Sherman Center on Jan. 30, 2013. Speakers collectively praised the collaborative effort that allowed the building to be envisioned, funded and constructed, and marveled at the promise of transformative research and education that will take place within the building's walls.

C UMass Memorial Health Care names new president and CEO

The largest health care system in Central New England and the clinical partner of UMass Medical School announced on Feb. 6, 2013, that Eric W. Dickson, MD, MHCM, FACEP, had been named as its new president and chief executive officer. Dr. Dickson, who completed his medical degree and residency training in emergency medicine at UMMS, succeeded John O'Brien in those positions. His appointment was effective on Feb. 25.

UMass Memorial Health Care joins innovative payment program

In February 2013, UMass Memorial Health Care announced that it would participate in Blue Cross Blue Shield of Massachusetts' Alternative Quality Contract (AQC), a global payment system designed to encourage cost-effective, patient-









Eric W. Dickson, MD Katherine Luzuriaga, MD Marc Freeman, PhD Gov. Paul Cellucci

centered care. Under the four-year agreement, which will begin in January 2014, physicians will be paid for the quality, rather than the quantity of care they provide. They can also earn significant performance incentives for adhering to nationally endorsed quality, health outcome and patient experience measures.

Researchers describe first 'functional HIV cure' in an infant

A team of researchers from UMass Medical School, the Johns Hopkins Children's Center and the University of Mississippi Medical Center reported in March 2013 the first case of a so-called "functional cure" in an HIVinfected infant. The finding, the investigators said, may help pave the way to eliminating HIV infection in children. Katherine Luzuriaga, MD, professor of pediatrics and medicine, headed the team of laboratory investigators on the discovery. Johns Hopkins Children's Center virologist Deborah Persaud, MD, was lead author on the report and pediatric HIV specialist Hannah Gay, MD, associate professor of pediatrics at the University of Mississippi Medical Center, provided treatment to the baby. The report made headlines across the globe and the researchers were each named as one of TIME Magazine's 2013 list of the 100 most influential people in the world.

UMMS scientist named a Searle Scholar

Eduardo M. Torres, PhD, assistant professor of molecular medicine, joined 14 other researchers across the country in the chemical and biological sciences who were named 2013 Searle Scholars. The Searle Scholars Program makes grants to selected academic institutions to support the independent research of outstanding young scientists who have recently been appointed as assistant professors on a tenuretrack appointment. The recipients, named in April 2013, were each awarded \$300,000 to support their work during the next three years. Dr. Torres, a member of the program in gene function and expression, became the third scientist at UMMS to be named a Searle Scholar.

E Marc Freeman named HHMI investigator

Marc R. Freeman, PhD, associate professor of neurobiology and a leader in the study of glial cells. was named a Howard Hughes Medical Institute (HHMI) investigator on May 9, 2013, joining five other HHMI investigators at UMMS. HHMI investigators are recognized as exceptionally creative thinkers and innovative scientists who are pushing the boundaries of discovery. Experiments by Dr. Freeman have shown that glial cells are major players in the development, function and health of the nervous system. Discoveries made in the Freeman lab are poised to provide critical insights that may one day lead to new treatments and therapeutics for a host of neurological conditions.

F Former Gov. Paul Cellucci loses battle with ALS

Former Massachusetts Gov. Paul Cellucci, a devoted public servant who dedicated the final chapter of his life to raising funds to support the University of Massachusetts Medical School's research into a cure for ALS, died June 8, 2013, at his home in Hudson, Mass., surrounded by family, from complications of the disease. The announcement was made by Chancellor Michael F. Collins on behalf of the Cellucci family. Gov. Cellucci launched the UMass ALS Champion Fund in 2011 after announcing that he had been diagnosed with ALS.

UMass Memorial Medical Center first in state to implant a new kind of stent for treatment of heart disease

In June 2013, members of the interventional cardiology team at UMass Memorial Medical Center became the first in the state to implant a small mesh tube designed to open a blocked heart vessel, restore blood flow to the heart and then dissolve into the blood vessel over time. This bioresorbable vascular scaffold called Absorb[™] is manufactured by the health care company Abbott as part of a clinical trial—the first U.S. clinical trial to evaluate the potential benefits of this device in comparison to a medicated metallic heart stent, also called a drug eluting stent, in patients with coronary artery disease.

Husband establishes scholarship as a legacy to his inspirational wife

ou know, you get what you give, and she gave everything she had at all times," reflected Francis "Fran" Charette on his late wife Joanne LaMalva Charette. "Joanne was so special; she had a zest for life and an appreciation for others. Most importantly, she had an unselfish desire to help people."

When this remarkable woman died of the rare genetic cancer multiple endocrine neoplasia type II in January 2010, Fran was determined to do something to ensure that her name—and her spirit of giving—lived on. Already a supporter of the UMass Medicine Cancer Walk, he redoubled his fundraising efforts for this annual event and established the Joanne Charette Memorial Scholarship Fund in 2012. Knowing others would want to honor Joanne's memory, Fran invited friends and family to contribute to the scholarship fund. The outpouring of support that resulted left Fran both "humbled and gratified."

The scholarship will be directed to students who, like Joanne, have faced medical hardship either personally or in their family—yet, despite these challenges, are continuing to pursue their dream of a career in medicine. The first scholarship is anticipated to be awarded in the coming year.

Fran chose to honor Joanne's memory with a gift to the Medical School for many reasons, among them being his relationship with, and deep respect for, Joanne's physician and longtime friend Neil Aronin, MD, professor of medicine, cell & developmental biology and microbiology & physiological systems at UMMS.

"Joanne believed in Dr. Aronin so much," said Fran. "He taught her a lot, and she taught him a lot, too. He's still an intricate part of our makeup."

Fran believes that this scholarship is a fitting remembrance for Joanne, who had a lifelong passion for teaching and helping others. She served for many years as professor and chairperson of the Business Department, and as assistant dean, at Anna Maria College in Paxton, Mass., before earning her PhD in business management and becoming a certified financial planner.

A retired finish carpenter who also lost his first wife to cancer, Fran hopes that this scholarship will play a small role in the fight against the disease.

"I think someday someone's going to cure cancer, and maybe this scholarship will help that happen," he said.



"Joanne was so special; she had a zest for life and an appreciation for others. Most importantly, she had an unselfish desire to help people."

— Francis Charette

2013 Endowed Chairs Medicine Mate

empowering new discoveries

Magnanimous donors create three endowed chairs at UMass Medical School

n fiscal year 2013, several friends and benefactors made substantial gifts to the University of Massachusetts Medical School, creating three new endowed chairs. In doing so, these donors demonstrated in a public and profound way their confidence in the institution and their commitment to its future success.

UMass Medical School now has 36 endowed positions, precious and essential resources for the institution. They increase the school's ability to retain the very best faculty and attract individuals distinguished in their fields.

As you will see here, endowed positions also provide donors with opportunities to contribute to the enrichment and vitality of the academic and scientific environment and to support a specific area of academic excellence and scientific pursuit. Faculty members who hold endowed chairs, like those highlighted here, are outstanding ambassadors of the state's public medical school and represent the full richness and excellence of the academic community.





Med

sing back matcars

The late Dr. Eileen Berman and her husband, Stanley Berman, photographed at their home in 2011.

After Dr. Berman received cancer treatment at the Cancer Center in 2010, she and her husband wanted to give back to an institution and a city that had given them so much.

Dr. Eileen L. Berman and Stanley I. Berman Foundation Chair in Biomedical Research established

hrough the generous support of Stanley Berman and his late wife, Eileen Berman, EdD, UMass Medical School established the *Dr. Eileen L. Berman and Stanley I. Berman Foundation Chair in Biomedical Research*, supported through an endowed fund that the Bermans created at the UMass Medicine Cancer Center of Excellence in 2011. Dale Greiner, PhD, professor of molecular medicine, was named the inaugural recipient.

Eileen and Stanley Berman's support of UMMS grew out of personal experience with cancer care and a deep love of Worcester. After Dr. Berman received cancer treatment at the Cancer Center in 2010, she and her husband wanted to give back to an institution and a city that had given them so much. They chose to establish an endowed fund that focuses on early detection and prevention initiatives. Prior to Dr. Berman's passing on April 7, 2013, from cancer, wanting to do more, the Berman family announced that their fund would be expanded to endow a chair whose primary goal is to explore and develop pioneering therapeutic advances. The focus during the chair's first five years will be to stimulate innovative research in appendiceal

cancer, the disease that Eileen battled for four years.

"I'm honored to be the first recipient of the Berman Chair, and deeply grateful for their support," said Dr. Greiner. "We have already begun to use specially developed mouse models to study human cancers and this additional funding will allow us to expand that work into new areas, including appendiceal cancer. We've successfully used these models to study human colon cancer and our hope is that these resources will lead us to new discoveries and bring us closer to new therapeutics."

"We are proud and grateful that our academic medical center is the beneficiary of the Bermans' support for cancer research," said Chancellor Michael F. Collins. "Their generosity reminds us in a very personal way that the work we do here has an immediate and human component."

"We wanted to take our money and see something come from it," the Bermans said in 2011. "We chose UMass Medical School because it is local and we have emotional ties to Worcester. UMass Medical School is a growing, vibrant place. Our two children were born at UMass Memorial and most of our doctors are still there."

The Bermans have deep ties to Worcester. Eileen was teaching English and theater arts at the Bancroft School when she first met Stanley, who had returned to his home town of Worcester after serving during the Korean War. Following his Army service, Stanley, a graduate of Worcester Academy and Worcester Polytechnic Institute, had a distinguished 30-year career at Norton Company, spending five of those years representing the company in Australia. Since then, for more than two decades, he has been a financial advisor and is currently with Morgan Stanley.

In addition to raising two children, Andrew and Johanna, Eileen had a career as a psychologist, educator and writer. While in Australia with her husband, she assisted other expatriates in managing the stress of relocation and helped companies develop strong management staff. She also wrote several books about managing life after job loss, wrote a monthly column for *Business Digest* for many years, and wrote columns for *Industrial Management* magazine.

"It gives us tremendous satisfaction to give to a Worcester organization," the Bermans said.

Inaugural recipient: Dale L. Greiner, PhD

Professor of Molecular Medicine

Dr. Greiner earned both his undergraduate degree and his PhD from the University of Iowa. He completed postdoctoral fellowships at the University of Pittsburgh and at the University of Connecticut Health Center. In 1991, he joined the Department of Medicine at UMass Medical School as professor; in 2010 he joined the Program in Molecular Medicine.

Greiner's research has focused on transplantation, autoimmunity and the use of specialized mouse models to study human diseases and infections, including cancer. The new funding will allow him to expand research that applies the use of these mouse models to the study of human cancer, in collaboration with cancer investigators at UMMS.

"The Bermans and the Berman family have taken a major step to facilitate the research at UMass, now and in the future," said Greiner when he was invested as the Berman Chair on Sept. 19, 2013. "It is our turn to repay them with results for their belief in an investment in UMass that is a fitting tribute to Dr. Eileen Berman."

Greiner has co-authored more than 300 publications, served as a member of the editorial board of *Diabetes* and as a member of the National Institutes of Health Immunology Sciences study section, and is currently a member of the National Institutes of Health Hypersensitivity, Autoimmune and Immune-mediated Diseases study section. Additionally, he has served as chair of many ad hoc NIH and Juvenile Diabetes Research Foundation (JDRF) study sections, as well as chair of the Medical Science Review Committee for JDRF International, chair of the American Diabetes Association Scientific Sessions Committee and other professional science organizations.

Greiner has also received numerous awards for his research, including the A.J. Julian Scholarship for Academic Excellence, the Basil O'Connor Scholar Research Award from the March of Dimes, and the Kayla and Gerald Grodsky and David Rumbough Awards from JDRF International.



"We have already begun to use specially developed mouse models to study human cancers, and this additional funding will allow us to expand that work into new areas..."

Cutlers endow biomedical research chair

elvin Cutler and his late wife, Sandra, longtime champions of the Worcester Foundation

for Biomedical Research (WFBR), generously endowed the *Melvin S. and Sandra L. Cutler Chair in Biomedical Research* in support of innovative basic science research at UMass Medical School. In conjunction with the gift, Catarina Kiefe, MD, PhD, chair and professor of quantitative health sciences, was named the inaugural recipient.

"Thank you, Melvin and Sandra Cutler, for your very generous gift and for honoring our line of work. I hope to live up to it," said Dr. Kiefe during the Investiture Ceremony held on Thursday, Sept. 19, 2013. "Most might see this moment as an honor. I see it mostly as an honor of our line of work and an affirmation of science that makes a difference."

This gift is one of many made by the Cutlers to UMass Medical School. Mel Cutler, a member of the Hudson Hoagland Society, has served as a WFBR trustee and contributed to the UMMS Annual Research Grant program in 2010 to support young investigators and their independent research. In 2002, he established the Cutler Award, which supported the work of Phillip D. Zamore, PhD, Howard Hughes Medical Institute Investigator, the Gretchen Stone Cook Chair of Biomedical Sciences and professor of biochemistry & molecular pharmacology, who was then an assistant professor of biochemistry & molecular pharmacology. The Cutler Award allowed Dr. Zamore to hire lab staff to pursue an avenue of research related to the biochemical machinery behind RNA interference (RNAi) or gene silencing. RNAi was a relatively new field at the time and is now recognized as one of the most remarkable discoveries in contemporary science.

"The discoveries being made at UMass Medical School are poised to fundamentally change how we treat disease," said Cutler. "My hope is this work will ultimately lead to new cures and treatments for patients, thereby reducing the suffering of future generations."

"The support of local philanthropists like Mel and Sandy Cutler are a vital component of our thriving biomedical research enterprise," said Chancellor Michael F. Collins. "Their generous support will provide the financial flexibility for faculty members, such as Dr. Kiefe, to pursue novel research ideas that might otherwise take years to get funding through traditional avenues. UMass Medical School is fortunate to count the Cutlers as two of our most ardent and passionate supporters."

A design-build entrepreneur, Mel Cutler graduated from City College of New York with a degree in civil engineering and established Cutler Associates, a full-service, designbuild construction firm, in Worcester in 1972. Since its founding, the company has grown into a widely respected operation with employees in Massachusetts and Florida. In 2003, Cutler founded Cutler Capital Management LLC, an investment advisory firm specializing in convertible securities and real estate investment trusts. He was a founder and treasurer of Flagship Bank & Trust in Worcester, a founder and chairman of Madison Bank in Palm Harbor, Fla., and a founder of Jefferson Bank in Oldsmar, Fla.



"Most might see this moment as an honor. I see it mostly as an honor of our line of work and an affirmation of science that makes a difference."

Inaugural recipient: Catarina Kiefe, MD, PhD

Chair and Professor of Quantitative Health Sciences

Dr. Kiefe is a highly regarded scientist, clinical epidemiologist and internist who has published extensively in the fields of health care quality measurement and outcomes research. She was recruited to UMass Medical School in 2009 as chair of the newly created Department of Quantitative Health Sciences (QHS). Previously, Kiefe was professor of medicine and biostatistics, director of the Division of Preventive Medicine and founding director of the Center for Outcomes and Effectiveness Research at the University of Alabama at Birmingham School of Medicine.

"I am honored to be the first recipient of the Cutler Chair in Biomedical Research," said Kiefe. "Mr. Cutler's gift will allow us to complement our current funding sources and augment our overall efforts to develop new, fundamental insights that will drive the improvement of health care quality and outcomes for patients."

Kiefe's primary research interests are health disparities and measuring and improving health care. She is principal investigator on a five-year, interdisciplinary grant funded by the National Heart, Lung and Blood Institute (NHLBI) to develop new methods that activate patients, physicians and health care systems to improve outcomes for survivors of acute coronary syndrome hospitalizations. Recently, she was principal investigator on an NHLBI-funded, five-year partnership grant to reduce cardiovascular disparities, and has been principal investigator or co-principal investigator on multiple federally funded research projects to advance the science of implementation of evidence into practice.

research matters

Sandy and Mel Cutler are seen here at the September 2013 Investiture ceremony at UMMS. Sadly, Sandy Cutler passed away in November 2013.

"The discoveries being made at UMass Medical School are poised to fundamentally change how we treat disease." – Melvin S. Cutler f Partn

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generosity maters

Jean McDonough (left), wife of the late Myles McDonough (inset photo), poses with Myles' physician, Dr. Katherine Upchurch, at the Investiture ceremony held at UMMS in September 2013.



"Myles left this legacy because he understood the importance of funds to support research for all tough medical issues."

— Jean McDonough

McDonough estate endows chair to support research in rheumatology



gift from the estate of local philanthropist and successful businessman Myles J. McDonough created a new

endowed chair at UMass Medical School in the Department of Medicine's Division of Rheumatology. Ellen M. Gravallese, MD, professor of medicine and cell & developmental biology, was invested as the inaugural recipient of the *Myles J. McDonough Chair in Rheumatology* in September 2013.

McDonough, who died in March 2012, was as well known for his generosity and support of the community as he was for his business acumen. Founder and chairman of the board of FLEXcon Company, Inc.—a leading manufacturer of pressure-sensitive film and adhesive products that he started in 1956 at the age of 26 and developed into a multi-million dollar, worldwide operation with 1,500 employees-he and his wife, Jean, were involved in many local institutions, including the Worcester Art Museum, the American Antiquarian Society, the Bancroft School, the EcoTarium, the Worcester Historical Museum and the Greater Worcester Community Foundation.

In 2011, McDonough received the Harvey Ball Smile Award, given by the Worcester Historical Society to an individual, group or organization whose actions have improved the community's quality of life. He also served on the boards of several Worcester institutions, including Memorial Hospital, Worcester County National Bank and Worcester Polytechnic Institute, where he received an award for distinguished service as a trustee.

Having experienced a long illness with arthritis, McDonough devoted particular energy and resources to support arthritis care and research. He founded the annual Arthritis Foundation Walk and was a generous donor to the American College of Rheumatology Research and Education Foundation's campaign towards a cure for rheumatoid arthritis.

His caregivers at UMass Memorial Medical Center, where he was treated, noted that his positive approach throughout his illness was inspirational. He was committed to improving the lives of other patients with arthritis and to supporting clinical and research efforts at UMass Medical School and UMass Memorial Health Care.

"Myles left this legacy because he understood the importance of funds to support research for all tough medical issues," said Jean McDonough. She said that during his treatment, he established a strong relationship over 25 years with his rheumatologist, Katherine Upchurch, MD, clinical professor of medicine. "He was treated with such caring and understanding by Dr. Upchurch, and that made the difference in how he coped with his illness."

"Over the years that I knew and treated Myles, I was repeatedly impressed by his intellect, his drive and his devotion to UMass Memorial," said Upchurch. "His wonderful gift is deeply meaningful because it reflects his confidence in our division to continue his quest to defeat the disease that compromised his body, but never his spirit."

"This endowed chair is deeply meaningful, because it enhances our ability to continue Myles' own personal desire to conquer inflammatory arthritis," said Dr. Gravallese. "I am particularly pleased that this chair will remain within the department and support future generations of rheumatologists."

"Myles McDonough was a wonderful friend of our institution," said Chancellor Michael F. Collins. "Creating an endowed chair in his memory is a very personal way to affect the future of medical research and clinical care in a targeted area, and we are grateful for this tremendous demonstration of support."

Inaugural recipient: Ellen M. Gravallese, MD

Professor of Medicine and Cell & Developmental Biology

Dr. Gravallese is dedicated to caring for patients with rheumatoid arthritis and to studying the mechanisms by which inflammation in the soft tissue lining joints leads to joint cartilage and bone destruction. She is internationally known for her major discoveries in the pathogenesis of rheumatoid arthritis and the joint destruction that ensues. Her research has been funded by the National Institutes of Health, the American College of Rheumatology and the Arthritis Foundation, among others.

Gravallese earned her medical degree from Columbia University College of Physicians and Surgeons and completed her residency and fellowship at Brigham and Women's Hospital, Harvard Medical School. She came to UMMS from Harvard Institutes of Medicine and Beth Israel Deaconess Medical Center, where she was a member of Harvard Medical Faculty Physicians and an associate professor of medicine at Harvard Medical School.

"The Rheumatology Division is deeply indebted to the McDonough family for their generosity in establishing this endowed chair in rheumatology," said Gravallese, who recently completed the Hedwig van Ameringen Executive Leadership in Academic Medicine Program. "This gift will enhance our research efforts to identify new strategies to prevent joint destruction in arthritis, and will engage clinicians in efforts to translate our research into improved care for our patients."



"This endowed chair is deeply meaningful, because it enhances our ability to continue Myles' own personal quest to conquer inflammatory arthritis." Community Making a Difference

Two fundraising golf tournaments mark **10-year** milestones

Kimberly J. Vuona Memorial Golf Tournament

"We figured out a way to do something good from something bad"

Saturday, May 18, 2013, dawned clear and bright—ideal weather for the 10th annual Kimberly J. Vuona Memorial Golf Tournament at Cyprian Keyes Golf Club in Boylston, Mass. More than 130 golfers and supporters turned out to honor Kim and raise money for breast cancer research and patient care at UMass Medical School and UMass Memorial Medical Center.

The tournament is named for Kimberly Smith, who married Gregg Vuona in September 2001. Before their first wedding anniversary, Kim was diagnosed with stage IV breast cancer. On September 23, 2003, one day after their second anniversary, she passed away. She was 31 years old.

"Our whole second year of marriage, we lived and breathed cancer treatment at UMass," recalled Gregg (pictured on opposite page in far right photo, second from right). "The staff was great. They were straight with us and told us they couldn't cure it, but that they could help us through it and make her quality of life as good as it could be. And they did." During that time, Gregg noticed a plaque outside the infusion room where Kim underwent chemotherapy and wondered how he might get one to honor Kim. When he learned that it took a \$5,000 donation, he met with his brother and parents to figure out how to raise the money. They came up with the idea of a golf tournament, and Kim's father's club offered to host it.

"My original goal was to raise \$5,000 to get the plaque," he said. "But that first year, we were able to raise around \$22,000. I was floored."

Since then, the annual event has raised more than \$110,000 for patient care and much-needed research into breast cancer.

"It's great that we've been able to sustain it," Gregg continued. "It's bittersweet to realize that another year has passed since Kim died, but we figured out a way to do something good from something bad. We're helping other people, paying it forward, and that's the beauty of it, because that's the way Kim was. It would make her happy to know we're keeping that version of her alive." Tournament organizers decided



to direct the proceeds from the 10th annual event to the lab of Karl Simin, PhD, assistant professor of cancer biology at UMMS, which is studying "triple negative" breast cancers (TNBC) and ovarian cancers, aggressive forms of these diseases for which there aren't any effective treatments.

"We developed a unique mouse model to learn more about TNBC and to study tumor progression," said Dr. Simin. "We are also exploring new, effective treatments for these malignant cancers. The funding provided by the Vuona Golf Tournament will go a long way to helping us with our efforts."

"My original goal was to raise \$5,000 to get the plaque. But that first year, we were able to raise around \$22,000. I was floored."

Gregg Vuona



Links to the Future Golf Tournament

Area pediatrician's support of hospitalized children and their families makes an impact

Fitchburg pediatrician John McLaughlin, MD, knows how to make things happen. In 2002, he launched the Links to the Future Golf Tournament to raise funds for the UMass Memorial Children's Medical Center. Since then, this annual event—held in August—has netted \$75,000 to help support a variety of projects that make a big difference to young hospitalized patients, their families and caregivers.

"The first year, we raised \$2,000," Dr. McLaughlin said. "My goal is to work up to over \$100,000 total funds raised in the next couple of years."

"Dr. McLaughlin's efforts help us to provide special amenities to our patients and their families," said Greg Hamann, MBA, senior director of the UMass Memorial Children's Medical Center. Those amenities include sleeper chairs, purchased so parents could more comfortably stay overnight in their hospitalized child's room, and renovation of the family kitchen, where parents prepare or warm up meals. Tournament proceeds also have made possible the installation of a new nurse call system to enhance communication between patients and caregivers, and the purchase of a SimBaby™ infant patient simulator for team training, which helps the institution provide higher quality care.

"His support has made quite an impact," Hamann added.

Held at the Woods of Westminster Golf Club, the Links to the Future tournament includes an 18-hole scramble followed by a clambake dinner, prize awards, silent auction and wine raffle. At the 10th annual event held in 2012, more than 40 golfers participated, with nearly as many individual sponsors of tees, water hazards and bunkers along with two major sponsors of the clambake.

"Most participants or sponsors are

friends, neighbors or colleagues," McLaughlin said.

Since starting the event, McLaughlin has been the primary organizer and promoter, soliciting sponsors and donations for the silent auction and raffle, and enlisting participants. His motivation?

"My motive is to encourage the UMass Memorial Pediatrics Department to send subspecialists to our area in North Worcester County," he said. "Plus, it's just a fun event, and people are happy to participate."

"It's a testament to his commitment, and the dedication of the participants, to the children of Central Massachusetts," said Hamann. "Year after year, it adds up. It speaks to how every contribution makes a big difference."

"It's a testament to his commitment, and the dedication of the participants, to the children of Central Massachusetts. Year after year, it adds up. It speaks to how every contribution makes a big difference."

Gregg Hamann, senior director of the UMass Memorial Children's Medical Center

Community Making a Difference



Local college crusaders support breast cancer care and research

Whether they skated, dribbled, volleyed, passed or lifted, student athletes at the College of the Holy Cross in Worcester found innumerable ways during the 2012-2013 academic year to support the UMass Memorial Comprehensive Breast Center. Through a variety of fundraising efforts, Holy Cross Crusaders raised more than \$20,000 for Pink Revolution, a local organization affiliated with the Breast Center whose mission is to support early detection and prevention strategies, fund clinical research advancements and promote survivorship programs in Central Massachusetts for those affected by breast cancer.

Various pink-themed fundraisers were held throughout the year, including "Pink the Rink," where members of the men's and women's ice hockey teams donned special edition pink jerseys donated by Bay State Savings Bank that were auctioned off throughout the games. Special edition T-shirts were also sold. Members of the women's basketball team participated in a similar event—the annual "Think Pink Day" and the Crusaders volleyball team sold T-shirts and bracelets during their games.

The hockey teams also participated in "Powerplay Points for Pink," which raised money through sponsorships and donations pledged for each goal scored during a home game that season. And the school's fifth annual Benching for Breast Cancer fundraising event attracted its highest number of participants yet—more than 500 students worked in teams of four to solicit donation pledges based on how much weight they thought they could lift, and competed in the event wearing creative costumes.

"Every year, our students jump at the chance to participate in these efforts, and they are always so proud of the support they can provide individually and collectively," said Ann Zelesky, associate athletic director at Holy Cross.

"Every year, our students jump at the chance to participate in these efforts and they are always so proud of the support they can provide individually and collectively." Ann Zelesky, associate athletic director at Holy Cross



Honoring a life cut short by breast cancer

When Megan Lally died of breast cancer in September 2011, just before her 31st birthday, six of her friends and family members banded together to honor her too-short life.

"We wanted to remember her in a way she'd love and be proud of," said Terri Sacco, who met Megan when they attended Worcester Polytechnic Institute. "And we wanted to raise money for research so, hopefully, someone else wouldn't have to leave their family at such a young age.

"She was big into running," Sacco continued, explaining what inspired their fundraising idea. "We did a lot of running events together where there was music and beer at the end, to celebrate after all the work."

So in the months following Megan's death, Sacco, Megan's husband David "Rusty" Gray, high school friends Victoria Bartley and Sarah and Alex Fanous, and WPI classmate John Digiacomo sought to create a similar event.

They established the Megan Lally Memorial Fund and organized and promoted "Run Like an Antelope," a 5K run and one-mile fun walk around Lake Quinsigamond in Worcester, Mass., to raise money for metastatic breast cancer research. To further support the event, they enlisted sponsorships from local businesses and solicited donations for silent auction and raffle items.

On October 14, 2012, a little more than a year after Megan's death, the inaugural event attracted nearly 400 participants. Post-race live music was provided by Antelope All Stars, a band that covers



Rusty Gray (above) addresses the crowd after the event in October 2012. (Top right) The donation is made to the Cancer Center in November 2012.

songs by the popular group Phish, one of Megan's favorite bands and whose song, "Run Like an Antelope," inspired the event's name. The beer available at the finish line was donated by a local brewery. At the end of the day, \$26,000 was raised, with \$21,000 being donated to the UMass Memorial Cancer Center of Excellence to support metastatic breast cancer research being conducted there.

"Megan would have had a blast at the event, and I think she'd be very proud of us," Sacco said. "She'd also be happy that we donated to UMass because that's the hospital where she was treated and they were wonderful to her. They really care about their patients and they're doing great work.

"It's sad that she's not here but, given the situation, this is the best way we could have honored her," she added. "Through this event, we want to keep remembering Megan, celebrating her life and making her proud."

Visit www.meganlallymemorialfund.org for more information.

'We wanted to remember her in a way she'd love and be proud of... and we wanted to raise money for research so, hopefully, someone else wouldn't have to leave their family at such a young age." Terri Sacco Community Making a Difference

A family gives back after beating cancer

"...these new guest chairs have enhanced the quality of the patient and family experience dramatically."

— Alan Rosmarin, MD

When Jeff Gallahue was told in 2009 that he had throat cancer, he said "it was the worst feeling in the world…a life-altering experience." After a grueling treatment regimen of surgery, chemo and radiation therapy, his doctor pronounced him cancer-free on January 3, 2011. "That's also a very defining moment," he said.

It certainly was. Gallahue's cancer experience inspired him to establish the nonprofit Gallahue/Rooney Family Foundation to celebrate his recovery and to help others going through their own cancer journey by providing support for everyday needs such as transportation, parking, meals and child care during treatment. At its first fundraising event—a Valentine's Day dinnerdance held in 2012—the foundation raised more than \$60,000.

Soon after the foundation's website (WeBeatCancer.org) was up and running, Gallahue was contacted by a social worker from the UMass Memorial Cancer Center of Excellence who told him about a patient undergoing daily radiation therapy who was having difficulty paying for parking. The foundation purchased a supply of parking vouchers and gave them to the nurses at UMass Memorial to give to cancer patients as they deemed appropriate. Later, during a tour of the Cancer Center, Gallahue and his wife, Pat, proposed that they

buy what they dubbed "Let's Make Pat Comfortable" chairs for the chemotherapy infusion suites.

"When I was having chemo, Pat would sit in a hard, straight-backed chair for eight hours while I was in a comfortable recliner," Gallahue explained. "If we could help other caregivers feel better after being with their loved ones all day, we'd feel like we'd given back a little bit."

WeBeatCancer.org initially donated 30 comfortable guest chairs that were placed in the evennumbered infusion rooms in the Cancer Center. Patients soon began seeking out the rooms with the new chairs; some even preferred being treated in the new chairs, offering the reclining treatment chair to their guests.

"The foundation identified a real need for caregivers and family members that wasn't on the Cancer Center's radar," said Alan Rosmarin, MD, the *Gladys Smith Martin Chair in Oncology* and professor of medicine at UMass Medical School, chief of hematology/oncology at UMass Memorial and co-deputy director of the Cancer Center. "As a result, these new guest chairs have enhanced the quality of the patient and family experience dramatically."

In the spring of 2013, WeBeatCancer.org donated 30 additional guest chairs so that every infusion room has one. The organization also provided a BOSE sound system for the Remillard Meditation Room, a tranquil healing space for patients and family members located on the sixth floor of the Ambulatory Care Center at UMass Memorial's University Campus. (see sidebar)

Gallahue is just grateful for the opportunity to help others going through what he endured.

"I didn't beat cancer alone; my family and friends, my doctors and nurses, and the people who prayed for me helped me get through it," Gallahue said of the genesis of his family's foundation—and its name. "I couldn't go on in life without giving back."

Meditation space restores hope

Meditation and healing spaces have been shown to be beneficial places that promote healing and help people attain a positive outlook. Whether these gardens are lush and green or have rock and water features, their soothing atmospheres serve to restore hope and provide relief from stress.

When Debra and Arthur Remillard made a contribution to support the Ambulatory Care Center (ACC) on UMass Memorial's University Campus, they wanted to make a significant impact in the lives of patients and their families and friends. "Staff in the Cancer Center of Excellence told us that patients and families would benefit from a space dedicated to contemplation," said Arthur Remillard. "Once we heard that, we knew creating a meditationlike area was how we wanted to help."

The resulting meditation space is a quiet sanctuary on the sixth floor of the ACC, in the heart of the Cancer Center. Bathed in natural light through two walls of floor-to-ceiling windows, the space features a stone garden, benches and water-inspired artwork.



Community Making a Difference

Region's Rotary clubs join forces to outfit NICU with webcams

NICVIEW system is first and only in Massachusetts

"Incredible" is how neonatologist Alan Picarillo, MD, describes the partnership between 11 of the region's Rotary clubs and UMass Memorial Children's Medical Center (CMC) that enabled the purchase of 30 webcams for the neonatal intensive care unit (NICU), which cares for critically ill newborns.

Called the NICVIEW system, these small video cameras are mounted at each bed space enabling parents, siblings, grandparents and extended family to view the infant in real time, wherever Internet service is available, through a secure connection on any web-enabled device. There is no cost to families to use NICVIEW.

"It's so hard for parents to leave their newborn at the hospital, in the care of virtual strangers," said Dr. Picarillo, who is also assistant professor of pediatrics and obstetrics & gynecology at UMass Medical School. "If there's anything we can do to help families feel more comfortable, we want to do so. And while nothing will ever replace the presence of parents, technology like this can help continue the bonding process when they can't be there." The average NICU stay is three weeks, he noted.

The CMC's 49-bed NICU is the first and only in the state—and the sixth in the entire nation—to implement the NICVIEW system. It started in 2012 with a six-camera pilot program that was funded by Xerox.

"Within months of installing these first few cameras, we had a long waiting list of family members wanting access," said Picarillo. "Rotary stepped in at the perfect time with additional fundraising."

"Our members didn't need much persuasion to get involved," said Roy Balfour, Rotary District 7910 Foundation chair. "There was a humanitarian need to help parents and families connect with their newborns and Rotary wanted to help."

Ten clubs from the Rotary district serving Central Massachusetts joined forces. Each club contributed as well as encouraged individual business members to purchase cameras at \$1200 each. The businesses that responded include Southbridge Savings Bank, United Lens, Webster 5 Bank, The Guru Tax & Financial Services and Harvard Pilgrim Health Care, among others.

Many of these donations were further amplified by matching grants from the Rotary Foundation. "By donating through Rotary, they were able to double the impact of their gift," Balfour said.

Camera purchases were also supported by the proceeds of the 20th annual Tee Up for Tots golf tournament, the TDD Triathlon held in September 2012, gifts from Carol and Michael Sleeper and Imperial Distributors Inc., and contributions by a variety of individual donors.



In addition, the Rotary of Marlborough's Rotoract Club, which consists of college-age members, raised enough funds to purchase a camera as well as help with annual maintenance expenses of the NICVIEW system. Each webcam displays its donor's name right on the screen, so whoever logs on sees who made the viewing possible.

As of fall 2013, the UMass Memorial NICVIEW system has had log-ins from every town in Massachusetts, 40 states, 26 countries and six continents.

"This is a wonderful way to have a global reach by doing a project for the local community," Balfour noted.

"There's a lot of synergy between our two organizations," Picarillo added. "A regional presence like Rotary and our regional NICU that admits patients from every city and town in Central Massachusetts---it's a nice pairing for the communities we serve. They've been such incredible partners on this project."

"It's amazing what you can accomplish when you pull people together," Balfour said.



NICVIEW by the numbers

Since the pilot project debuted in late 2011...

Number of logins 12,608

Number of families/infants who have used the program



Since the last cameras were installed in June 2013...

Number of logins

Number of families/infants who have used the program



Foundations Making a Difference UMass Medicine Matters



Dr. Brown accepts a check from Andrew Lund and members of the Phi Theta Kappa honor society.

Support for the UMass ALS Champion Fund continues



Buddy Valastro—aka the Cake Boss poses with Dr. Brown and Chancellor Michael Collins at the Momma Mary Foundation's first gala fundraising event for ALS research in N.J.

n the summer of 2012, Buddy Valastro—also known as the Cake Boss—and his family announced that their beloved mother, Mary, had been diagnosed with amyotrophic lateral sclerosis (ALS). The tremendous outpouring of support from friends, family and Cake Boss fans inspired the Valastros to form the Momma Mary Foundation to raise awareness and funds to support ALS research.

The foundation hosted its first fundraising gala in Rockleigh, N.J., on October 23, 2012, which raised \$120,000 to benefit the UMass ALS Champion Fund and the groundbreaking research of Robert H. Brown Jr., DPhil, MD, being conducted at UMass Medical School.

The following March, Andrew Lund, a student at Worcester Polytechnic Institute, organized a bowl-a-thon fundraiser for the Champion Fund on behalf of the Phi Theta Kappa honor society at Quinsigamond Community College (where he was once a student). This was the society's third annual event, which raised nearly \$8,000.

In April 2013, a team of six fundraisers committed to running the Boston Marathon in support of the Champion Fund. This was the second year that John Hancock, principal sponsor of the race, accepted the Champion Fund into its nonprofit bib program. Three out of the six runners were able to finish the race, which was shattered by the bomb explosions that occurred at the finish line that day. Those who were unable to finish will have an opportunity to do so—and continue their fundraising—at the 2014 marathon. Fundraising efforts for the 2013 Champion Fund team resulted in nearly \$63,000 in donations.

Foundations Making a Difference UMass Medicine Matters

Supporting translation of basic science breakthroughs into medicines to treat human disease

Valley Foundation backs build-out of laboratory studying role of stem cell injury as a cause of complications of common diseases



"Our program connects leading basic scientists and clinical scientists who study stem cell biology with leading physician scientists



from across multiple disciplines who, together, will apply their knowledge in clinical trials to establish new treatment models."

Louis Messina, MD

When scientists at UMass Medical School discovered that a condition such as type 2 diabetes or high cholesterol levels generate systemic oxidant stress (free radical injury) and injure stem cells, it was a notable breakthrough—one that could greatly expand the concept of stem cell therapy for complications of these types of common diseases.

The discovery showed that injury to hematopoietic stem cells, which regulate immunity and inflammation, impaired the ability of these stem cells to perform two very important tasks. One is to develop into specific types of lymphocytes that are able to recognize and kill cancer cells as they develop in the body; the other is to develop into monocytes, which are central to the body's response to healing and infection.

"Our findings showed that injury to these stem cells significantly increased the risk of colon cancer in pre-clinical mouse models," said Louis Messina, MD, professor of surgery, who heads the Stem Cell and Regenerative Medicine Program in the Advanced Biotherapeutics Center at UMMS. "It also accounted for the impaired wound healing of type 2 diabetic mice." Impaired wound healing and infection are the most common reasons for diabetics to be admitted to the hospital.

Housed in the Albert Sherman Center, which opened in January 2013, the Stem Cell and Regenerative Medicine Program was established around the promise that lies within the application of using human stem cells for regenerative therapeutics. That promise is being supported by the Wayne and Gladys Valley Foundation, which made a gift of \$4.6 million to fund Dr. Messina's research space—bringing the foundation's historic support of the academic health sciences system to more than \$17 million.

The basic research of the Stem Cell and Regenerative Medicine Program focuses on the cellular, molecular and biochemical composition of pluripotent cells and how they can be manipulated to understand disease mechanisms as well as provide the basis for novel dimensions to treatment. By collaborating with the RNA Therapeutics Institute and the Gene Therapy Center—also part of the Advanced Biotherapeutics Center—the program anticipates developing translational research programs for cancer, type 1 and 2 diabetes, Alzheimer's, Parkinson's and other diseases.

"Our program connects leading basic scientists and clinical scientists who study stem cell biology with leading physician scientists from across multiple disciplines who, together, will apply their knowledge in clinical trials to establish new treatment models," said Dr. Messina. "The support of the Valley Foundation in creating the space in which we will conduct this work is invaluable, as it will also accelerate our ability to recruit additional key scientists required for this important research."

Foundations Making a Difference UMass Medicine Matters

John Merck Fund awards \$1 million for UMMS research into Down syndrome

In February 2013, Jeanne Lawrence, PhD, professor and interim chair of cell & developmental biology, became one of the inaugural recipients of three grants of \$1 million each in a new program supporting translational research into developmental disabilities. The Developmental Disabilities Translational Research Program was developed by the John Merck Fund (JMF) to support scientists in developing treatments and improving outcomes for individuals with developmental disabilities, particularly Down syndrome and Fragile X syndrome (and FXassociated disorders).

"Through this program, the fund is expanding its longstanding commitment to improving the lives of people with developmental disabilities and their families," said Olivia Farr, chair of JMF. "The program will make approximately 10 grant awards of \$1 million each."

"What's especially exciting about this program," said Marsha Mailick, PhD, chair of the fund's scientific advisory board, "is that it supports research with potential gamechanging impact that is within the realm of probability—not just possibility—and could be achieved within 10 years."

Dr. Lawrence's research project, "Accelerating Down Syndrome Progress by Translating Dosage Compensation to Trisomy," pursues a unique approach to Down syndrome translational research based on the concept of functionally correcting the overrepresentation of Chromosome 21 genes by de-activating one of the three copies of Chromosome 21. "Where most people have two copies of Chromosome 21, those with Down syndrome (also known as trisomy 21) have all or part of a third copy of this chromosome," explained Lawrence. "Our lab has long worked on uncovering basic mechanisms whereby the expression of normal genes is controlled during development-the process known as epigenetics. The overall goal in this project is to translate recent developments in understanding these basic epigenetic mechanisms to a new research frontier in chromosome pathology that accelerates clinical translational progress in Down syndrome."

Since its inception in 1970, JMF has had an interest in people with intellectual and developmental disorders. Beginning in 2012, the fund refined its direction and began a 10-year plan that would direct all of its assets to stimulate progress in four specific areas, including treatment for developmental disabilities, and shift its focus from basic research to clinical and translational research.

Other projects funded by JMF in this initial program include research by two investigators studying Fragile X syndrome. The awards were made



Jeanne Lawrence, PhD

through a competitive review process that began with 100 preliminary proposals and was narrowed down to 17 full proposals.

The Boston-based foundation was established by the late Serena Merck and is now in its third generation of family leadership. JMF also focuses on three other program areas—clean energy, environmental health and regional food systems—and holds \$75 million in assets.

Headline-making discovery

Less than six months after the JMF grant was announced, media outlets across the globe reported on an innovative discovery in which UMMS scientists were able to silence the extra chromosome that causes disabilities in people with Down syndrome. The research, conducted by Dr. Lawrence and her team with first coauthor, Jun Jiang, PhD, instructor of cell & developmental biology, established that a naturally occurring X chromosome "off switch" can be rerouted to neutralize the extra chromosome responsible for trisomy 21, also known as Down syndrome, a genetic disorder characterized by cognitive impairment.

The discovery provides the first evidence that the underlying genetic defect responsible for Down syndrome can be suppressed in cells in culture (in vitro). This paves the way for researchers to study the cell pathologies and identify genome-wide pathways implicated in the disorder, a goal that has so far proven elusive. Doing so will improve scientists' understanding of the basic biology underlying Down syndrome and may one day help establish potential therapeutic targets for future therapies. Details of the findings were published in the July 2013 online issue of the journal *Nature*.

Reunion **Class Gifts** Campaign 2013

In honor of their respective reunions, the School of Medicine Classes of 1978, 1983, 1988, 1993, 1998, 2003 and 2008 collectively donated more than \$270,000 for financial aid. This annual campaign, which was launched in 2012, supports a variety of scholarships. This year's reunion classes, which gathered on campus on May 4, 2013, to celebrate their reunions, established six endowed scholarships and one current-use scholarship as well as two family endowed scholarships.





Year: 20th Participation: 34.3% Total Giving: \$42,066 Gift Chairs: Catherine Jones Dickson, MD, and Caroline Baltimore Alper, MD



Year: 15th Participation: 47.6% Total Giving: \$30,421 Gift Chairs: Sharon Bachman, MD



Year: 10th Participation: 32.1% Total Giving: \$9,867 Gift Chairs: Jaimie Kane, MD



Year: 5th Participation: 24.5% Total Giving: \$3,150 Gift Chairs: Wendy Timpson, MD





25th

30th

50%

\$61,125

Joseph Disa, MD,

and Manuel Fontes, MD



\$53,351

45.9%

Karen Harvey-Wilkes, MD



Notable Events









Winter Ball 2012 a cause for celebration \land

Another year brought another festive and successful Winter Ball fundraising event. On Friday, Dec. 7, 2012, more than 350 members of the Central Massachusetts community gathered at Mechanics Hall in Worcester to celebrate—and support—the shared mission of UMass Medical School and UMass Memorial Medical Center.

As in years past, attendees participated in both live and silent auctions to raise funds for this vital academic medical center. "Having the enthusiastic support of so many leaders in our community is extraordinary and demonstrates clearly the value placed on these two dynamic organizations and the impact they have on our communities," said R. Norman Peters, Esq., chair of the Winter Ball 2012 Steering Committee, who is also a member of the University of Massachusetts Board of Trustees and a member of the UMass Medicine Development Council.

Attendees also fervently supported the 2012 fund-a-need project: establishing an endowed scholarship at UMMS named for John O'Brien, former president and CEO of UMass Memorial Health Care, who retired in early 2013.

Notable Events



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Worcester fundraising event for the UMass ALS Champion Fund

Just weeks before Thanksgiving 2012, friends and supporters of former Massachusetts Gov. Paul Cellucci gathered in the Aaron Lazare Research Building at UMass Medical School in Worcester at a fundraiser benefitting the UMass ALS Champion Fund and the groundbreaking research of Robert H. Brown Jr., DPhil, MD. In attendance were former Massachusetts Gov. Bill Weld, former Lt. Gov. Tim Murray and the event's co-chairs, former State Representative Karyn Polito and David Forsberg, former president of the Worcester Business Development Corp.

During the event, which was sponsored by 29 individuals and corporations, Chancellor Michael F. Collins awarded Cellucci with a Chancellor's Medal.

"With deep gratitude for all your years of selfless service and in recognition of your political acumen, professional skills and personable manner that you have exercised to such great effect, we recognize and honor you," said Chancellor Collins.

"I can't tell you how proud I am to be supporting UMass Medical School and Dr. Brown's research here," said Cellucci. "If we can unlock the mysteries of these neurological diseases like ALS, MS, Huntington's, Alzheimer's—boy, are we going to help a lot of people."

Cellucci died from complications of ALS on June 8, 2013. He was 65.







🖒 UMass Medicine Cancer Walk

UMass Medical School was again the epicenter of the annual UMass Medicine Cancer Walk, which marked its 14th year on September 23, 2012. When the walk kicked off on the campus green at 10 a.m. that day, thousands participated on behalf of more than 300 fundraising teams from throughout Central Massachusetts, including those created by employees of UMass Medical School and UMass Memorial Health Care. Nearly \$400,000 was raised for the Cancer Center of Excellence.



A Hudson Hoagland Society Annual Meeting celebrates science, philanthropy

At the 28th Annual Meeting of the Hudson Hoagland Society (HHS), celebrating science was on the top of the agenda. Thoru Pederson, PhD, the *Vitold Arnett Professor of Cell Biology* and professor of biochemistry & molecular pharmacology, welcomed the audience by pointing out the concrete value of their philanthropic support to UMass Medical School researchers, including newlynamed Howard Hughes Medical Institute investigator Marc Freeman, PhD, who was a Worcester Foundation grant recipient in 2005. Dr. Pederson also noted that all four of the UMMS recipients of the UMass Technology Development Fund grants were previous recipients of Worcester Foundation grants, illuminating the importance of early philanthropic support for stellar young scientists.

Guest speakers were Heidi Tissenbaum, PhD, professor of molecular medicine, who engaged the audience by illustrating why the nematode *C. elegans* is an ideal model for the study of aging; and John F. Keaney Jr., MD, professor of medicine and chief of the Division of Cardiovascular Medicine at UMass Memorial Medical Center, who spoke about his "favorite part of the cardiovascular system, the endothelium." Both talks illustrated how understanding the biology of aging has important implications for an aging population.

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