

UNIVERSITY of MARYLAND

# MEDICINE *Bulletin*

Fall 2017 • Volume 102 • Number 2

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UNIVERSITY of MARYLAND

# MEDICINE *Bulletin*



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## Cover story

### The Science of Sport A Center Like No Other

The University of Maryland, Baltimore and University of Maryland, College Park recently announced the creation of the University of Maryland Center for Sports Medicine, Health and Human Performance. Anchored in historic Cole Field House, the center is to offer everything from comprehensive

sports medicine to scientific research in areas such as orthopaedics and traumatic brain injury—designed to improve the lives of patients of all ages.

(Cover photo by Alex Likowski)

## 12 The Team That Never Loses

As a corollary to our cover story, four good friends from one class—the class of 1984—all found their way into serving major sports teams. It all started on the basketball court during medical school.



## 18 The MAA Honor Roll

Each year in this fall issue of the Medicine Bulletin, the Medical Alumni Association publishes its list of alumni, faculty, and friends who made contributions to the Association during the past fiscal year. Preceding the honor roll is a listing of the John Beale Davidge Alliance, the school's permanent recognition society for major donors.



## 36 Alumnus Profile: Paul A. Gurbel, '83

Leading with the Heart

Heart patients travel to Baltimore from all parts of the world to see interventional cardiologist Paul A. Gurbel, '83. He specializes in catheter-based treatment of patients with complex coronary artery disease—many of whom have been given up on elsewhere. He's also known as the "clot buster" for his seminal platelet research.

## Departments

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DEAN'S  
*message*



As our nation continues to grapple with issues that have deeply divided us for decades, it is vital that we remember the core values of diversity, collaboration, and respect that unite us.

In light of the rhetoric and divisions facing our nation, I ask that everyone take a moment to recommit to the core principles that unite us. The medical school will continue to demand the highest standards of ethical and professional conduct. We will continue to collaborate and communicate respectfully with all members of our community. We will relentlessly pursue excellence every day, while not losing sight of the issues impacting our state, the region and the world.

The diversity in our community enriches us. I am pleased that our school has, in recent years, an excellent track record of diversity and inclusion. However, we can always do better. I am delighted that our first assistant dean for academic and multicultural affairs is **Sandra Quezada, '06**, an alumna who has made an incredible impact on increasing the diversity of our medical student population and, in her new role, will help to spearhead efforts to promote greater inclusion at every level of the school's organizational structure.

Collaboration is a key component to our success, and remains vital to advancing science and medicine aimed at improving human health and wellbeing. Our school has made a concerted effort to promote a culture of collaboration that transcends disciplines and departments, to bring our best investigators together to work toward solving the most complex medical problems today. The University of Maryland Center for Sports Medicine, Health & Human Performance, featured in this issue, is a shining example of what can happen when we work together. The center will provide care for a wide range of patients, from student athletes to recreational athletes, with the most cutting-edge care and treatment under the guidance of a team of experts in family medicine, orthopaedics, sports medicine, physical therapy and rehabilitation science, trauma, and anesthesiology. What will set the center apart is that its approach will rely on the latest injury-related research, including traumatic brain injury, concussion and biomechanics, among others. I anticipate that the center will quickly become a premier destination in the state and the region.

The strength of our programs stems from the mutual respect cultivated among faculty, staff, trainees, students, and patients. Within our clinical practices, this means providing individualized and sensitive care to all patients. This type of personalized medicine approach has been made possible by advances in basic, translational, and clinical research. Advances such as those by **Paul Gurbel, '83**, profiled in this issue, whose research in cardiology and antithrombotic therapy have profoundly influenced current treatments for coronary artery disease.

As we remember the countless accomplishments the school has made over its 210-year history, and look ahead to advancing in our third century, I also want to acknowledge the excellence and diversity of our alumni. I thank everyone who continues to demonstrate a deep commitment to our school's mission and vision through ongoing philanthropic support. Only by working collaboratively can we hope to achieve our ultimate goal of improving the health of all humankind.

As our nation continues to grapple with issues that have deeply divided us for decades, it is vital that we remember the core values of diversity, collaboration, and respect that unite us. Our values define us, both as individuals and as a community. Reflecting these values in our words and interactions is crucial to fulfilling our missions to provide an outstanding education to our students and trainees, to deliver exceptional discovery-based care to our patients, and to contribute significantly and substantially to the great biomedical research enterprise here in the United States and around the world.

**E. Albert Reece, MD, PhD, MBA**

*Vice President for Medical Affairs, University of Maryland*

*John Z. and Akiko K. Bowers Distinguished Professor and Dean, School of Medicine*

NEWS/INNOVATIONS

## Griffith Named UMB Entrepreneur of the Year

**Bartley P. Griffith, MD**, the Thomas E. and Alice Marie Hales Distinguished Professor in Transplant Surgery, is the 2017 Entrepreneur of the Year at the University of Maryland, Baltimore (UMB).

A world-renowned heart and lung transplant surgeon, Griffith worked for decades to develop an artificial lung—one that wouldn't tie patients to a breathing machine in a hospital bed. After 20 years, he achieved his goal, creating a portable, at-home device for artificial respiration. To market this technology, which should help hundreds of thousands of patients each year, Griffith in 2014 worked with UM Ventures, UMB's commercialization arm, to found the company Breethe, Inc. Based at the BioPark, Breethe, Inc., is deep into product development, funded to date through three rounds of equity capital with Griffith playing an active role.

Griffith, who came to Maryland in 2001, has performed more than 1,250 heart transplants and nearly 700 lung transplants.

In addition to his lung breakthroughs, Griffith was one of the early surgeons to implant a Jarvik heart, and he developed a pediatric heart pump.

He will receive the award at the UMB Founders Gala on Saturday, October 14. 🏛️



## Grant to Fund Nation's First Center for Cardiac Xenotransplantation

INNOVATIONS

A \$24 million grant from United Therapeutics Corporation will establish a center for cardiac xenotransplantation research at Maryland, the first and only such center in the United States. Xenotransplantation involves the transplantation of organs from one species to another. With human organ transplant wait times extending to months and even years, researchers are searching for the means to genetically modify and transplant animal organs into humans.

To oversee this effort, **Muhammad Mansoor Mohiuddin, MBBS**, has been appointed professor of surgery and director of xenoheart transplantation in the department of surgery. Mohiuddin is an internationally renowned transplantation scientist specializing in cardiac xenotransplantation and related immunosuppressive therapies.

He will be responsible for establishing the infrastructure needed to create a world-class cardiac xenotransplantation center as well as recruiting and leading an advanced research team. While fostering new department research activities, he also will lead efforts in identifying and securing funding for his laboratory's basic, translational, and clinical research initiatives.

Mohiuddin is best known for his 2016 breakthrough trial where he and his team maintained the survival of modified pig hearts transplanted into simian models for an unprecedented



mean of 433 days, with one lasting 945 days—almost two and half years—breaking all previous pig-to-primate heart transplant records. To achieve this goal, Mohiuddin's team developed an immune-suppressing regimen using an immunosuppressive drug (mycophenolate mofetil) and immunomodulatory antibodies against key immune system components (CD40 and CD20).

Prior to joining Maryland, Mohiuddin worked for 12 years at the National Heart, Lung, and Blood Institute at the National Institutes of Health, both as a principal investigator in xenotransplantation for the cardiothoracic surgery research program, and as chief of the transplantation section in the cardiothoracic surgery research program. He has coauthored more than 130 peer-reviewed articles, and has been an internationally invited speaker. His current grants from NIH for basic and clinical research total \$3 million. Mohiuddin received his MBBS medical degree from Dow Medical College in Karachi, Pakistan. He completed his initial surgical training at the Civil Hospital in Karachi. His training continued with fellowships in transplantation biology and immunology at the University of Pennsylvania; in transplantation surgery at the MCP-Hahnemann Medical School; in bone marrow transplantation at Allegheny University of The Health Sciences; and in human islet transplantation at the University of Pennsylvania. 🏛️



## Phillips, '82, Recognized at NMA Reception

More than 50 alumni, faculty, and friends of the medical school gathered for an alumni reception in Philadelphia during the annual meeting of the National Medical Association. The July 31 event was co-sponsored by the Medical Alumni Association and medical school. Dean **E. Albert Reece, MD, PhD, MBA**, visited with guests during the two-hour event. **Robert M. Phillips, '82**, was recognized for his efforts to help organize each gathering since 2001. The event was held at the downtown Marriott Hotel. 🏛️



Robert Phillips, '82, and wife Charlene

## Responding to the Need for Scholarships

Since the Spring 2017 *Bulletin* cover story on student financial debt, alumni, faculty, and friends have stepped up their philanthropy to benefit students. Below is a list of endowed scholarships and contributions to the *Physicians of Today and Tomorrow Scholarship Program* received since the article was published:

### Endowed Scholarships

Elizabeth A. Abel MD ('67) Endowed Scholarship Fund  
 Marlene Hayman MD ('77) and Kathleen Fitzgibbon ('15) Scholarship Endowment  
 Janet M. and Reynold M. Karr, MD '69 Scholarship Endowment

Karyn E. Wade, MPT '98 Memorial Scholarship Endowment  
 Carolyn M. Apple, MD '90 Endowed Scholarship

### Contributors to the Physicians of Today and Tomorrow Scholarship Program

Bella F. Schimmel, '52  
 Arthur V. Whittaker, '54  
 Bahador Momeni, '94  
 William F. Regine, MD, & Mrs. Julie Regine

For more information on the *Physicians of Today and Tomorrow Scholarship Program*, see page 38. 🏛️

## Mummies Exhibit in Kansas City



*Mummies of the World: The Exhibition II*, which includes 11 pieces from Maryland's Alan Burns Collection of Anatomical Specimens, opened at Union Station in Kansas City and will run through January 1. Sponsored by American Exhibitions, Inc., the exhibit is a collection of human and animal subjects from Europe, South America and Egypt now on a six-year tour of America. Included is the Maryland Mummy, a cadaver mummified in 1994 by **Ronn Wade**, director of the Maryland State Anatomy Board, who used tools and techniques of the ancient Egyptians. The Burns Collection was brought to Maryland from Scotland by **Granville Pattison** in 1820 and was used for medical instruction through the 19th and early 20th centuries. The tour opened in Buffalo and has made stops in Cincinnati, Orlando, Salt Lake City, Santa Ana, Calif., and Houston.



## Genes and Depression



**A**lthough environmental factors play a role in many cases of depression, genetics are crucially important in understanding a disease that affects 300 million people annually. A recent study by Maryland researchers has pinpointed how one particular gene plays a central role—either protecting from stress or triggering a downward spiral, depending on its level of activity.

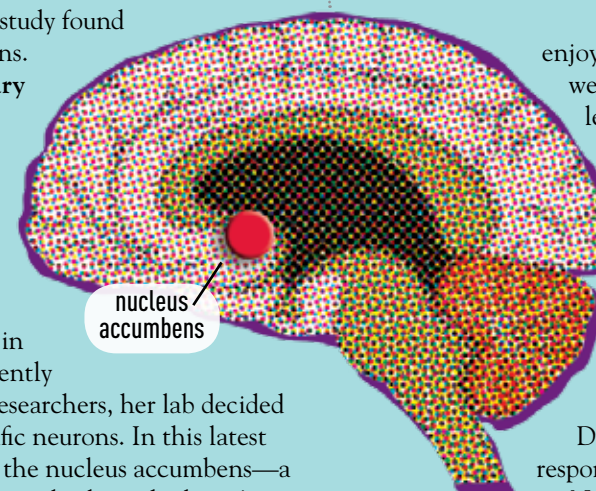
The study, published in the July issue of *Journal of Neuroscience*, is the first to illuminate in detail how this particular gene—known as *Slc6a15*—works in a kind of neuron that plays a key role in depression. The study found the link in both animals and humans.

Senior author of the study is **Mary Kay Lobo, PhD**, assistant professor in the department of anatomy and neurobiology. In 2006, she and her colleagues found that the *Slc6a15* gene was more common among specific neurons in the brain. They recently demonstrated that these neurons were important in depression. Since this gene was recently implicated in depression by other researchers, her lab decided to investigate its role in these specific neurons. In this latest study, she and her team focused on the nucleus accumbens—a region of the brain which plays a central role in the brain's "reward circuit." When eating a delicious meal, having sex, drinking alcohol, or having any other kind of enjoyable experience, neurons in the nucleus accumbens are activated, letting one know that the experience is pushing the proper buttons. In depression, any kind of enjoyment becomes difficult or impossible, a symptom known as anhedonia.

The researchers focused on a subset of neurons in the nucleus accumbens called D2 neurons. These neurons respond to the neurotransmitter dopamine, which plays a central role in the reward circuit.

They studied mice susceptible to depression; when subjected to social stress—exposure to larger, more aggressive mice—they tend to withdraw and exhibit behavior that indicates depression, such as social withdrawal and lack of interest in food that they normally

Lobo and her team focused on the nucleus accumbens—a region of the brain which plays a central role in the brain's "reward circuit."



enjoy. Lobo found that when these animals were subjected to chronic social stress, levels of the *Slc6a15* gene in the D2 neurons of the nucleus accumbens was markedly reduced.

The researchers also studied mice in which the gene had been reduced in D2 neurons. When those mice were subjected to stress, they also exhibited signs of depression. Conversely, when the researchers enhanced *Slc6a15* levels in D2 neurons, the mice showed a resilient response to stress.

Next, Lobo looked at the brains of humans who had a history of major depression and who had committed suicide. In the nucleus accumbens of these brains, the gene was reduced, indicating that the link between gene and behavior extends from mice to humans.

It is not clear exactly how *Slc6a15* works in the brain. Lobo says it may work by altering neurotransmitter levels in the brain, a theory that has some evidence from other studies. She says her research could eventually lead to targeted therapies focused on *Slc6a15* as a new way to treat depression. 🏛️

TRANSITIONS



**Kathleen M. Neuzil, MD, MPH, FIDSA**, professor of medicine and director of the center for vaccine development, was elected to serve a three-year term on the board of directors of the National Foundation for Infectious Diseases.

**Jill RachBeisel, MD**, associate professor of psychiatry, has been named vice chair for clinical affairs in the department of psychiatry. She will oversee clinical operations for the entire department, including adult, alcohol and drug abuse, child and adolescent, community, consultation-liaison, geriatrics, and FPI practices.



Contributing writers to News/Innovations include: Sharon Boston • Larry Roberts • Rita M. Rooney • Bill Seiler • Karen Warmkessel • Julie Rosen Photos by: John Seebode • Mark Teske • Tom Jemski • Richard Lippenholz



By Sandra McKee

# THE SCIENCE OF SPORT

**Big...hairy...audacious goals.**

Those are the words professor and orthopaedics chair Andrew N. Pollak, MD, used when describing his dreams for the new University of Maryland Center for Sports Medicine, Health and Human Performance that is expected to be finished in 2019.

One might have added daring to the adjectives, as it brings together two proud universities—the University of Maryland, Baltimore (UMB) and the University of Maryland, College Park (UMCP)—to undertake a project that restores a classic building, Cole Field House, and creates an athletic, medical, and scientific research center unlike any that has been seen here—or possibly anywhere—before.

According to the center's co-directors, Pollak, who is the James Lawrence Kernan Professor and Chair, and Kevin Anderson, UMCP athletic director, the project grew out of a concept that leveraged Big Ten football and intercollegiate athletics into something much more magnificent.

"It was the brainchild of Kevin Anderson and me," says Pollak, who also credits the vision and leadership of both university presidents, medical school dean E. Albert Reece, MD, PhD, MBA, and the University System of Maryland Board of Regents. "We both recognized the importance of taking full advantage of the type of facility that could be developed around a Big Ten athletic program, a robust program to care for the entire area and region."

"It's a game-changer," says Anderson. "It gives our athletes everything they need to become



Andrew N. Pollak, MD

Photos by Alex Likowski

# A Center Like No Other





Alan Faden, MD

21st-century athletes, both athletically as well as medically. And it also forged and enhanced the relationship with the medical school, our university, and our department.”

The first priority will be to address “a clinical question of great importance in sports”—the study of traumatic brain injury. But while concussions will be the initial focus, Pollak points out, it won’t stop there. There will be many questions addressed that are presented by healthy individuals in athletic endeavors.

“We will see kids playing youth sports, high school athletes, college and professional players, weekend warriors, and older people who are exercising to stay healthy,” Pollak says. “We will see students, student-athletes, faculty, and staff, and we will be a resource to the greater Prince George’s County community.”

Pollak notes PG County has a population of 900,000 with relatively little access to high-quality health care, particularly

sports medicine. The vision for the facility is to be “a magnet for sports medicine” in the entire D.C. area.

The scope is wide open. Everything from basic sports medicine to orthopaedics, to sports psychology, to seeing what the brain looks like “anatomically and functionally, after a concussion in ways that haven’t been possible in the past” will be pursued.

The new center will cost \$196 million. Of that amount, \$90 million is expected to come from donations. Thanks to 140 donors, including UMCP graduate and Under Armour CEO Kevin Plank, who started the fundraising drive with a \$25 million donation, 45 percent of those funds has been raised.

An extra carrot: The project is anchored by Cole Field House, which has been converted from a storied basketball arena to a building holding a new indoor practice field, training facilities, and locker rooms for the Terrapins football team. Cole also will house the academy for innovation and entrepre-

“The ability to integrate diverse research programs that involve biological sciences, engineering, computer sciences, and physical science will create powerful synergies that can address big science questions and will provide unparalleled opportunities for inter-campus collaboration and research funding.”

neurship, which will be run separately through UMCP.

A new 60,000-square-foot addition will be spread over two floors. It will house UMB faculty practices for the program in sports medicine, a newly formed clinical entity to facilitate interdisciplinary collaboration in the care of athletes on the first floor, and the sports medicine scientific research area on the second. The research component will initially be under the direction of scientific co-directors Alan Faden, MD, professor of anesthesiology, and Elizabeth Quinlan, PhD, professor of biology at UMCP, both of whom have significant professional interest in sports concussion.

The anticipation is palpable. You can hear it in Pollak’s voice, in Anderson’s. From Faden and Quinlan. And you can hear it in the voices of the clinical practitioners, like Valerie Cothran, MD, and Frank Henn, MD, of the department of orthopaedics.

“This new facility gives us so much,” says Cothran, who is the head team physician for all of the UMCP athletic programs. “It continues the tradition of having superior facilities. It’s exciting in terms of collaboration between the College Park campus and Baltimore. Most people would say the care athletes get in division I and in the pros is excellent. To provide that to the general public will be wonderful.”

UMB has had clinical practices based in College Park on Hartwick Road for more than 10 years, says Henn, who is also a Terps team physician.

“The center provides a tremendous opportunity for collaboration,” Henn says. “I am really excited about having the doctors, physical therapists, athletic trainers and researchers all together. That is really the innovative aspect—having multiple disciplines in one building.”

#### COLLABORATION KEY ELEMENT

Such teamwork is what the Maryland General Assembly had in mind when it launched the structured collaboration known



Elizabeth Quinlan, PhD

as *MPowering the State* in 2012 that grew into the Maryland Strategic Partnership Act of 2016, including \$3 million in seed money for the center for sports medicine.

“This represents one of the ultimate examples of how these two universities can come together to accomplish something neither one of these universities could have accomplished alone,” says Pollak, who singles out board of regents members Barry Gossett and Francis X. Kelly for pushing the idea forward.

Adds Faden, director of the center for shock, trauma and anesthesiology research (STAR), “The ability to integrate diverse research programs that involve biological sciences, engineering, computer sciences, and physical science will create powerful synergies that can address big science questions and will provide unparalleled opportunities for inter-campus collaboration and research funding.

“For example, within the last six months our lab group has initiated five new collaborations with College Park faculty. Research topics include micro-RNA mechanisms and biomarkers in concussive head injury, how brain injury profoundly affects the gut, microparticle-mediated chronic inflammation



in the brain, and engineered microvesicles as therapeutic agents. Other investigators at the medical school have also begun to leverage their research through such partnering.

“MPower funding in the area of traumatic brain injury and related neuroscience is currently supporting multiple bi-campus research initiatives of exceptional potential that should help establish a national reputation for the center, even before the hub clinical/research building is completed in 2019.”

Co-director Quinlan shares Faden’s excitement. A bridge builder who is good at communicating across disciplines, she says the goal of all basic science is to have discoveries such as Faden’s translated to the clinic—“to the medical treatment of patients.”

That’s where the new center comes in. It eliminates the long-standing boundaries—geographic, cultural, and others.

“This facility tears down those boundaries by bringing the basic scientist and the clinical scientist together under one roof,” Quinlan says. “This is absolutely going to accelerate translation. Multidisciplinary work is really the foundation of bold breakthroughs.

“To be able to work with a group of people who are experts in the field and their expertise is different from your own, that’s what really makes this exciting for me. You can see the problem from each person’s perspective within each discipline’s perspective—that’s something that we all hope for.”

### PLAYING BALL

Speaking of team building, Pollak is an old hand at it. A six-year Cleveland resident during college and residency, he didn’t mind hearing that the National Football League Browns would be coming to Baltimore in 1996.

“I wasn’t heartsick they were leaving Cleveland,” says Pollak, who arrived at the University of Maryland School of Medicine in 1994, 10 years after the Baltimore Colts left town. “I was heartsick that I’d come to a town that didn’t have a football team.”

Hearing that the Browns were coming, he saw it as an opportunity, not a reason to protest. “I said to my boss here, ‘We should put together a sports medicine program for the new team.’ He said, ‘No way, Union [Memorial] will get that.’ And I said we should at least try and he said, ‘OK, go ahead and see what you can put together.’ So we recruited a sports orthopaedist (Claude T. Moorman, MD) from North Carolina, the primary care doc from the Browns (Andrew Tucker, MD), and got John Unitas (Baltimore Colt’s hall of fame quarterback) to help us with the presentation. The rest is history.”

Pollak got the job done, building the Ravens sports medicine program over the first eight years they were here. Meanwhile UMB also took over doing the Terrapins’ physicals in College Park. Under Pollak’s leadership the Terps’ current sports medicine program—which UMB continues to administer, with Cothran, Henn, and Craig Bennett, MD, the Terps’ chief orthopaedic surgeon—was spawned.

Like the effort of going after the Ravens’ medical program, the hardest part of putting the center together was convincing people a vision like this was achievable. After all, this vision is huge.

“I know what the future of Cole Field House looks like. It looks like hope to millions of Americans who suffer debilitating injury. And it looks like home to everyone who’s serious about cutting-edge leadership in the science of sport.”

“This facility will be the best and biggest of its kind in the Big Ten and likely one of the premier facilities in the world,” Pollak says. “I’m not sure there is nothing like it anywhere, but we did our homework. We went and saw some places and we learned and grew from there. We have a much, much stronger research focus than many of the other facilities. But we are going to have a very, very robust clinical practice, as well.”

While Anderson says he would never have taken Maryland from the Atlantic Coast Conference into the Big Ten “if I didn’t believe we’d be competitive,” it doesn’t take a very long memory to recall the sentiment coming from outside the UMCP campus community that Maryland wasn’t quite ready for it, that it would be, perhaps, dwarfed by institutions like Ohio State and Michigan, not only on the playing fields, but in its research and development arms, as well.

It was building on the transition and energy the move created that has made the current project possible and has made both UMB and UMCP better academically, clinically, and in research.

“But we can only accomplish any one of those things by accomplishing all of them simultaneously,” Pollak says. “Each one of these efforts is synergistic to the others.”

Pollak says there will be projects that belong to College Park faculty, and projects that belong to UMB faculty.

“But, at the end of the day, the projects will feed off each other,” he says. “What we really hope to develop are what

NIH calls program project grants. These are a series of grants that are funded under one umbrella that really allow for the development and understanding of the disease process at a very cellular and mechanistic level. What’s the mechanism by which the brain changes the way it works as a result of injury? What exactly happens, not just on a macro level, but a microscopic level?

“Once we know that, I’m guessing, we have a possibility of understanding how to treat it. Until we understand that, we are just guessing. Those are the big, hairy, audacious goals.”

And each university needs the other to make it work. UMCP has the intercollegiate athletic program, UMB the medical school, whose trauma centers in Baltimore and Prince George’s County already see more than 10,000 head injuries every year, which Pollak says “likely puts them in the No. 1 position nationally.” UMCP has the undergraduate student population, while UMB has the graduate student population, both of which Pollak believes are necessary for the center to succeed.

### COLE HISTORY RELEVANT

During the formal opening of the center and groundbreaking for the science and research phase Aug. 2, UMCP president Wallace D. Loh, PhD, JD, acknowledged that view. He called the project “the capstone of the relationship between the University of Maryland, College Park and the University of Maryland, Baltimore” and pointed out that since the undertaking began “it has generated 60 joint faculty appointments and \$80 million in research funding that neither school could have generated on its own.”

There was also the matter of egos. Both schools have long, proud histories. Being team players was necessary to achieve the dream that is housed in the newly remodeled Cole Field House.

Says Pollak: “One of the reasons we’ve been able to succeed at this magnitude is that people in leadership positions at both campuses were able to overcome their egos.”

Certainly, melding opinions and egos is nothing new to the grand, 61-year-old structure, where traditional ideas have been set aside over its history for the greater good.

In 1966, Cole was the site of the NCAA men’s basketball championship that broke the color barrier, when Texas Western, fielding an all-black team, beat Kentucky, an all-white team.

In 1971, an international ping pong match there between the United States and China helped break down what Loh called “The Bamboo Curtain” during the Cold War.

Perhaps not on the same level, but grand, nonetheless, is seeing two great universities come together to achieve something bigger than either of them could achieve alone.

“I know what the future of Cole Field House looks like,” UMB president Jay A. Perman, MD, said at the groundbreaking. “It looks like hope to millions of Americans who suffer debilitating injury. And it looks like home to everyone who’s serious about cutting-edge leadership in the science of sport.”

Perman said he has watched the UMB scientists and UMCP engineers work together on questions. “They’ve made answers,” he said. “They’ve opened new paths where old ones end.”

And they’re only just beginning. 🏠



UMB president Jay A. Perman, MD



# The Team That Never Loses

By Rita M. Rooney

**F**lashback 37 years. Four young men are among those who arrive at Maryland as first-year medical students. It isn't long before these particular students find a common ground among them—sports. At that time of year, competitive conversation probably turned to football, then to basketball, baseball, and more.

Therein lies the beginning of lifelong friendships, professional collaboration, and mutual regard with an emphasis on sports, as each of the friends found a way to pair his chosen medical specialization with his love of a specific sport.

Urologic specialist, **Brad Lerner, '84**, was assisting with registration for his 30th class reunion when he noted that three of his good friends as medical school classmates would be on hand for the event. Each enjoyed a professional association with a major sports team including the Oakland A's, Tampa Bay Rays, and the University of Alabama football team. This was in addition to Lerner's own position as urologic consultant for the Baltimore Ravens.

Lerner says he once entertained the idea of sports medicine as a specialty, but says his ultimate choice of urology has played an important part in football, even though the young age of players might suggest otherwise.

As urologic consultant to the Ravens, Lerner tells of an event that occurred when, during an away game, one of the team's top defensive players developed severe pain on the plane, probably due to altitude change. The plane was diverted to a competitive team's city, the player was seen by that team's physician and was diagnosed with a severe kidney injury, with a recommendation that he sit out the rest of the season. The player returned to Baltimore and saw Lerner for follow up evaluation and conservative treatment.



Brad Lerner, '84, attending a Ravens game

"We were able to get him up and back on the field in six weeks, wearing a protective jacket," Lerner says.

As spectators, he and his entire family are among the team's most ardent supporters. As team consultant, he is required to be available during each home game. He doesn't sit on the sideline as do many team physicians, but he is typically present at the event or immediately available by phone should he be needed.

There appears to be some question of whether the class of '84 athletes formed a basketball team, or whether they just played without the formality of team name or opposition from another team. What each of them does recall is that the top floor of one of the university's unheated parking garages was used as a basketball court in fair as well as frigid weather. Whatever the season, members

of the group remember their basketball sessions as welcome relief from the pressure of their studies, as well as time well spent in building the kind of friendships that last a lifetime.

**Martin Schwartz, '84**, had an association with the Washington Redskins and Toronto Blue Jays before becoming team radiologist for the University of Alabama football team. He reports that the group of sports-loving students who remain friends today bonded early, as do like-minded



Martin Schwartz, '84 (center), with Alabama football trainer Jeff Allen (left)

...members of the group remember their basketball sessions as welcome relief from the pressure of their studies, as well as time well spent in building the kind of friendships that last a lifetime.

the effective performance of our team," Allen says.

Schwartz looks back to his medical school days and remembers the camaraderie he and his friends shared playing basketball in that bitter cold garage, and sharing the highs and lows encountered by their favorite teams.

"I grew up rooting for the Washington Senators," he recalls. "If I thought I'd have to put sports on the back burner in medical school, I was wrong."

**Stephen Anderson, '84**, radiologist and team physician for the Tampa Bay Rays, grew up wanting to have some professional part in baseball. "I loved the game, but knew I would never be a player," he says.

Anderson recalls being grateful for Maryland's radiology rotation and electives that many schools weren't offering. It was when he had chance to observe Hopkins involvement with the Orioles that he began to think specifically of sports radiology. He is now celebrating 21 years with the Tampa Bay Rays. Every draft pick goes through an examination by him. "Of all sports, baseball is probably the most demanding physically," he reports. "Players go through a rigorous examination to make sure they are fit."

He recalls one time he had the responsibility of calling a doctor

people with similar interests.

"We were all highly-driven and competitive, says Schwartz who has a private practice. "I think that strengthened our goals more quickly as well."

According to Jeff Allen, head athletic trainer for Crimson Tide football, Schwartz has a level of commitment that has made a positive difference in the school's medical decisions. "There is no doubt Dr. Schwartz has improved

for the Red Sox to tell him whether or not a player could compete in the World Series. More recently Anderson was busy—in the wake of Hurricane Harvey—when the three-game series between the Houston Astros and Texas Rangers was moved to Tampa. Tickets sold for \$10 each and all proceeds went to flood relief.

Anderson has two daughters who, when they were younger, went to many games with him. "The players would throw balls to them and it became so frequent that they expected it. To them, it was a part of watching the game, possibly the part they liked most," he says.

As a surgeon in private practice, **John (Tad) Schwartz, Jr., '84**, has specialized in hand, elbow, and shoulder surgery in California's Bay Area—a practice that ranges from children's sports-related injuries to professional athletes. His patients have included those from the Oakland A's and Raiders to the San Francisco 49'ers and University of California Berkeley Bears.

Tad Schwartz refers to medical school as "a special time in life. We were a close knit and hardworking group that has formed long lasting and solid friendships."

His medical school roommate, Anderson, predicted Schwartz would become a surgeon. "It was pretty clear from the way he took his car apart every weekend," Anderson recalls."

The amusing anecdote is typical of the bond that exists today among these men. Still in tune and in touch with each other, they are quick to recall such incidents. Each man is quick to remember the basketball games in a freezing campus garage. More than that, though they may not have realized it at the time, their shared friendship may ultimately have become part of the kind of doctors they have each become today.

"Medical school was a special time for all of us," Lerner recalls, speculating that it may say something about the impact of sports on American lives. Perhaps even more, it reflects the kind of friendship that exists among Maryland alumni and the camaraderie of a team that never loses. 🏠



Stephen Anderson, '84, with daughter and Tampa Bay Ray Wade Boggs, circa 2000





# The Influenza Pandemic:

## One Century Later

*Dr. Roy Grist, an army physician at Camp Devins, Massachusetts, wrote to a colleague in desperation about the patients that had been admitted to his hospital over the course of a few days in August 1917: “These men start with what appears to be an ordinary attack of LaGrippe or influenza, and when brought to the hospital they very rapidly develop the most vicious type of pneumonia that has ever been seen. Two hours after admission they have the mahogany spots over the cheek bones, and a few hours later you can begin to see the cyanosis extending from their ears and spreading all over the face, until it is hard to distinguish the negro men from the white.”*

Little did Grist know, he was among the thousands of physicians attempting to fight one of the deadliest pandemics in human history.

John M. Barry, author of the captivating history *The Great Influenza*, recounts how Grist and his team struggled with the explosion of influenza in their midst. By September 22, 1917, 19.6 percent of 4,000 men at Camp Devins were on sick report, with 75 percent of the ill hospitalized due to the severity of their cases. On September 24 alone, 342 men were diagnosed with pneumonia. On September 26, as Berry writes, “the medical staff was so overwhelmed, with doctors and nurses not only ill but dying, they decided to admit no more patients to the hospital, no matter how ill....The Red Cross, itself by then overwhelmed by the spread of the disease to the civilian population, managed to find twelve more nurses to help and sent them (to Camp Devins). They were of little help. Eight of the twelve collapsed with influenza; two died.”

Across the United States, hospitals were filled to capacity, public buildings were opened to care for the dying, and nurses and physicians worked every shift until they themselves frequently fell ill. Between 1917 and 1920, the United States experienced not only a country at war, but a country under siege by an enemy that eluded all efforts to defeat it. Modern

The grisly effects of the disease, most notably the cytokine storm resulting from the extreme ramping up of a previously healthy immune system, killed healthy adults and are what gives public health officials pause today.

American Red Cross nurses tend to flu patients in temporary wards set up inside Oakland Municipal Auditorium, 1918.



medicine was powerless against influenza.

One hundred years ago, the seasonal influenza outbreak became a three-year, global pandemic that unusually killed men and women in the prime of life. Yet pandemic influenza was an expected feature of the medical landscape in 1917.

Large-scale influenza outbreaks were common every 40 years. This was accepted medical knowledge. But this influenza was different. While physicians' notes have been preserved to recount the horrific stories and lessons of the influenza pandemic, mystery still surrounds this influenza's origins, its death toll, and whether such a pandemic can happen again.

Historians today estimate that anywhere between 50 to 100 million people died during the last influenza pandemic. The tremendous range of the death toll results from a problem in

record keeping. The modest estimate of 50 million dead was the official accounting at the time, but it was based on information that did not include major regions of the world, including most of Asia and Africa. Most historians today agree that the number of dead was likely between 80 and 100 million people, with one out of every three humans catching influenza globally.

But where did it come from? The origin of the epidemic is still entirely unknown.

The reason for our inability to pinpoint the origin was that Europe had been at war since 1914. United States forces had been traveling officially since 1917 and the movement of young, healthy men to war and its ravaged battle fronts created a situation in which disease spread efficiently among perfect hosts. With the draft in effect by 1917 and a vigorous national spirit, by 1919 some 2.8 million American men had been drafted and another two million men had volunteered. By the time influenza had come to the United States in its second wave, the United States armed services had collected nearly

Across the United States, hospitals were filled to capacity, public buildings were opened to care for the dying, and nurses and physicians worked every shift until they themselves frequently fell ill. Between 1917 and 1920, the United States experienced not only a country at war, but a country under siege by an enemy that eluded all efforts to defeat it.

five million men into makeshift camps across Europe and the United States, all of whom lived in close quarters and interacted precariously closely with civilians at home and abroad.

The H1N1 virus that lurked along the front and passed between barracks, brothels, and back porches between 1918 and 1920 is the one that epidemiologists fear today. But the situation that caused its spread—the war, the mass mobilization of people, and the famine across some of the most populated areas of the world—were definitive factors in the pandemic.

Yet the death toll of H1N1 was not the only factor that stands out among other influenzas. The grisly effects of the disease, most notably the cytokine storm resulting from the extreme ramping up of a previously healthy immune system, killed healthy adults and are what gives public health officials pause today. In early 1918, physicians at the University of

Pennsylvania attempted to explain what was happening to sailors, mostly aged 18 to 25. As Berry describes the effects of the cytokine storm, “the blood that covered so many of them did not come from wounds, at least not from steel or explosives that had torn away limbs. Most of the blood had come from nosebleeds. A few sailors had coughed up the blood. Others had bled from their ears. Some coughed so hard that autopsies would later show they had torn apart abdominal muscles and rib cartilage. And many of the men writhed in agony or delirium (with) body aches so intense they felt like bones were breaking. A few were vomiting. Finally, the skin of some of the sailors had turned unusual colors; some showed just a tinge of blue around their lips or fingertips, but a few looked so dark one could not tell easily if they were Caucasian or African American. They all looked almost black.”

For historians, one of the most haunting remnants of the pandemic are the photographs. The sheer volume of cots in makeshift hospitals in gyms, elementary schools, and any

Influenza ward at Walter Reed Hospital during the Spanish flu pandemic of 1918–1919



public venue that could hold the dying, preserve for posterity an American medical system at its breaking point. These pictures of desperate hospital scenes in public spaces remind us of the heroic lengths to which physicians had to go when disaster or disease strikes on a level beyond daily practice. Living, as we do, side-by-side with this reliably pandemic-producing virus, the heroism and recorded history provide us with invaluable inspiration and knowledge for whatever we may face in the future. 🏛️



Author Mary Ellen Leuver is a doctoral candidate in the History of Science & Medicine at Yale University specializing in bioethics and the history of infectious diseases. She consults on medical history at the University of Maryland School of Medicine.



## Appointments

❖ **Vasken Dilsizian, MD**, professor, department of diagnostic radiology & nuclear medicine, was elected as the incoming Society of Nuclear Medicine and Molecular Imaging (SNMMI) vice president elect. This position is one that has been held by only 63 other luminaries in the field of nuclear medicine and molecular imaging. Dilsizian will later serve as president elect from 2018-2019 and president from 2019-2020. His final year will be from 2020-2021 as immediate past president.



Marc Hochberg, MD, MPH, MACP, MACR

❖ **Marc Hochberg, MD, MPH, MACP, MACR**, professor & vice chair, department of medicine, was inducted as president of the U.S. Bone and Joint Initiative (USBJI). The USBJI is the U.S. National Action Network of the Global Bone and Joint Decade, a multi-disciplinary initiative

targeting the care of people with musculoskeletal conditions. Its focus is on improving the quality of life of people as well as advancing the understanding and treatment of those conditions through research, prevention and education.



Myron Levine, MD, DTPH

❖ **Myron Levine, MD, DTPH**, the Simon and Bessie Grollman Distinguished Professor of Medicine and associate dean for global health, vaccinology and infectious diseases, institute for global health, has been appointed to a second three-year term

as a member of the board on global health in The National Academies of Sciences, Engineering, and Medicine.

❖ **Samba Sow, MD, MS**, director general, CVD-Mali, and adjunct professor, institute for global health, was named minister of health for Mali.

## Honors & Awards

❖ **Stacy Fisher, MD**, associate professor, departments of medicine and pediatrics, received the Maimonides Humanitarian Leadership Award from Cheder Chabad of Baltimore.



Robert Gallo, MD

from the AIDS Society of India (ASI), a national network of HIV medical experts. ASI conferred the honor in recognition of Gallo's pioneering role in advancing path-breaking HIV science over the decades. Gallo received this award at the Pioneers in Infectious Agents and Cancer meeting in Naples, Italy, on March 23.



Miriam Laufer, MD, MPH

❖ **Guang Li, PhD**, assistant professor, department of diagnostic radiology & nuclear medicine, is recipient of an editor-in-chief award for a paper published in *Journal of Applied Clinical Medical Physics (JACMP)* last year ("Evaluation of Cassette-Based Digital Radiography Detectors Using Standardized Image Quality Metrics: AAPM TG-150 Draft Image Detector Tests"). *JACMP* is one of two journals published by the American Association of Physicists in Medicine (AAPM).

## Grants & Contracts\*

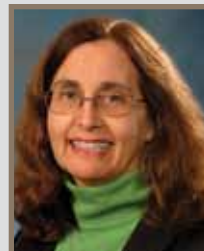
❖ **Eileen Barry, PhD**, professor of medicine, center for vaccine development (CVD), and **Wilbur Chen, MD, MS**, associate professor of medicine, CVD, received

a three-year, \$2.5 million grant from the National Institute of Allergy and Infectious Diseases for "Good Manufacturing Practices Master Cell and Working Cell Banks and GMP Pilot Lot of Prototype *Shigella flexneri* 2a Live Vector Expressing Enterotoxigenic *E. coli* Antigens."

❖ **Isabel Jackson, PhD**, received a \$2,180,930 award from Chrysalis BioTherapeutics, Inc.—under a prime NIH/National Institute of Allergy and Infectious Diseases award—for "TP508: A Novel Nuclear Countermeasure Targeting Endothelial Cells and Stem Cells to Combat ARS and Delayed Multiple Organ Dysfunction."

❖ **Christopher Jewell, PhD**, assistant professor, department of microbiology & immunology, received a \$1.1 million merit award from the US Department of Veterans Affairs; a renewal of his \$600,000 Damon Runyon-Rachleff Innovator Award focused on controlling T cell plasticity to enhance anti-tumor immunity; and a \$500,000 grant from the Juvenile Diabetes Research Foundation focused on induction of antigen-specific tolerance.

❖ **Iris Lindberg, PhD**, professor, department of anatomy and neurobiology, received a five-year, \$2.1 million R01 grant from the National Institute on Drug Abuse for "Opioid Peptide Synthesizing Enzymes."



Iris Lindberg, PhD

❖ **Chozha Rathinam, MSc, DrRerNat**, assistant professor of medicine, institute of human virology, was awarded an R01 from the National Heart, Lung and Blood Institute (NHLBI)/NIH in the amount of \$1,250,000 over five years for conducting research on "NF-kB Signaling in the Control of Hematopoiesis."

❖ **Henry Silverman, MD, MA**, professor, department of medicine, received a five-year, \$1,242,000 grant from the Fogarty International Center of the National Institute of Health for "Developing a Master's Degree Program in Myanmar." **Myaing Nyunt, MD, MPH, PhD**, assistant professor of medicine and director of the institute for global health—Myanmar, is a PI on this grant. 🏠

\*Grants & Contracts of \$1 million and above



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Whether working in community hospitals, running her urgent care center, or volunteering her medical skills internationally, Dr. Carolyn Apple always utilized the medical training she received at the University of Maryland to help others. Dr. Apple's legacy will continue to help others through her bequest to endow a scholarship at the School of Medicine for students from the Eastern Shore.



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"The education I received at the School of Medicine opened many doors for me, enabling me to return to the Delmarva Peninsula to practice. It is only right for me to help future students follow their dreams."

Carolyn M. Apple, MD '90



# honor roll 2017

Each year the Medical Alumni Association publishes its honor roll of donors in the fall Medicine Bulletin. The list includes names of alumni, faculty, and freinds whose gifts were received between July 1, 2016 and June 30, 2017. Preceding the honor roll is a listing of the John Beale Davidge Alliance, a permanent recognition society for donors of \$10,000 and above. The Medical Alumni Association and University of Maryland School of Medicine gratefully acknowledge your support!

## The John Beale Davidge Alliance

*The John Beale Davidge Alliance is a permanent recognition society for major donors of the University of Maryland School of Medicine. Established in 1978, the Alliance is named in memory of Dr. John Beale Davidge, the medical school's founder and first dean who in 1812 raised the necessary capital to fund construction of the school's first medical building. The society includes alumni, faculty, and friends of the medical school.*

### The 1807 Circle

*The 1807 Circle is the highest honors level of the Alliance, recognizing donors for gifts of \$50,000 and above. The 1807 Circle was established in 1993.*

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1936

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 Florence Gottdiener

1939

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1941

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 Jacob B. Mandel

1943D

W.N. Corpening  
 Cliff Ratliff, Jr.

1943M

Harry Cohen  
 Jose M. Torres-Gomez  
 Robert E. Wise

1945

Joseph W. Baggett  
 William A. Holbrook  
 Leonard T. Kurland  
 Henry F. Maguire  
 John J. Tansey

1946

John A. Mitchell

1948

John R. Hankins

1949

Nathan Schnaper

1950

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1951

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 Henry D. Perry

1952

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1953

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1954

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1955

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1956

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 H. Coleman Kramer  
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 Virginia T. Sherr

1957

Landon Clarke Stout

1958

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 Charles E. Parker

1959

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 William J.R. Dunseath  
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 Donald R. Lewis  
 Ramon F. Roig, Jr.  
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 Jerome Ross  
 Martha E. Stauffer

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1910  
Walter M. Winters

1916  
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1917  
Charles R. Thomas

1925  
Eva F. Dodge  
Joseph Nataro  
W.A. Sinton

1927  
Abraham H. Finkelstein  
Charles E. Gill

1928  
Aaron I. Grollman  
Aaron H. Meister  
Morris H. Saffron

1929  
Abraham Jacobs  
William Yudkoff

1931  
William M. Seabold

1932  
Francis N. Taylor

1935  
Jeannette R. Heghinian  
Irving Klompus  
Howard B. Mays  
Harry M. Robinson, Jr.

1936  
Leo M. Curtis  
Jaye Grollman  
Howard T. Knobloch  
Richard H. Pembroke, Jr.  
Samuel Steinberg

1937  
Jack A. Kapland

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Aaron Feder  
Bernard J. Sabatino  
Bernard O. Thomas, Jr.  
H. Leonard Warres

1939  
Bernard S. Kleiman

1940  
Benjamin H. Inloes, Jr.  
William S. M. Ling  
A. Frank Thompson, Jr.  
William I. Wolff

1941  
Julius Gelber  
Jacob B. Mandel  
Benjamin Pasamanick

1942  
James N. McCosh  
Louis H. Shuman

1943D  
Ruth W. Baldwin  
Eli Galitz  
Jack C. Morgan

1944  
Patricia Dodd  
W. Carl Ebeling III &  
Claire Krantz

1945  
Eugene H. Conner  
William H. Frank

1946  
Walter J. Benavent  
Sidney & Bernice R. Clyman  
Thomas B. Connor  
Joseph D'Antonio  
Guy K. Driggs  
Samuel D. Gaby  
Erwin. R. Jennings  
Herbert J. & Virginia Levickas  
James A. Roberts

1947  
George W. Fisher  
Arlie R. Mansberger, Jr.

1948  
Leonard H. Golombek  
Raymond H. Kaufman  
Robert L. Rudolph  
Kyle Y. Swisher  
John D. Wilson

1949  
Robert A. Abraham  
Margaret Lee Sherrard

Meredith P. Smith  
Edward W. Stevenson  
John F. Strahan

1950  
Joseph B. Bronushas  
Leonard G. Hamberry  
Virginia Huffer  
Milton R. Righetti  
O. Ralph Roth  
Henry H. Startzman, Jr.

1951  
Frederick J. Hatem  
Charles W. McGrady  
John T. Scully

1952  
Timothy D. Baker  
Jonas R. Rappoport  
David R. Taxdal  
Howard N. Weeks

1953  
Richard M. Baldwin  
Werner E. Kaese  
John W. Metcalf  
Joel S. Webster

1954  
Samuel J. Abrams  
Robert B. Goldstein  
John F. Hartman  
Morris Rainess  
Marshall A. Simpson  
J. Walter Smyth  
Rufus Thames

1955  
Neal C. Capel  
Donald H. Dembo  
Walter E. & Jane R. James  
John P. McGowan  
George L. Morningstar  
Leonard J. Morse

1956  
John E. Adams  
Mathew H. M. Lee  
John B. Littleton  
Charles A. Sanislow  
W. A. Sinton, Jr.

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Marvin S. Arons  
Virginia Y. Blackledge  
Charles M. Henderson  
Peter P. Lynch  
Nevins W. Todd, Jr.

1958  
Stuart H. Brager

Albert F. Heck  
Richard H. Keller  
G.T. McInerney  
Granger G. Sutton  
William T. Ward

1959  
Milton B. Cole  
Robert J. Dawson  
William F. Falls, Jr.  
August D. King, Jr.  
William Kraut  
Arthur L. Poffenbarger  
Stanley N. Snyder  
Robert J. Thomas

1960  
Aristides C. Alevizatos  
Straty H. Economon  
Julio E. Figueroa  
Charles Earl Hill  
Lawrence F. Honick  
Allen R. Myers  
Elijah Saunders  
Emanuel H. Silverstein  
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1961  
James R. Appleton  
James J. Cerda  
John N. Diaconis  
Carlos E. Girod  
Ronald L. & Shirley D.  
Gutberlet  
Gerald C. Kempthorne  
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Bernard S. Karpers  
Paul A. Kohlhepp  
Theodore C. Patterson

1963  
Alice B. Heisler  
Merrill M. Knopf  
Chris P. Tountas

1964  
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Richard M. Protzel  
Harold S. Standiford

1965  
Larry C. Chong  
F. R. Lewis, Jr.  
George Peters  
Fred N. Sugar  
Phillip P. Toskes

1966  
James E. Arnold

Jay Martin Barrash  
Philip P. Brous  
Stuart L. Fine  
Richard L. Flax  
Dwight N. Fortier  
Dean H. Griffin  
Larry T. & Catherine Ingle  
Stephen Machiz  
Irvin M. Sopher  
Stuart H. Yuspa

1967  
Henry Feuer  
David M. Hadden  
Gary M. Lattin  
Boyd D. Myers  
Joseph C. Orlando

1968  
Elliot S. Cohen  
Ronald S. Glick  
William N. Goldstein  
James G. Kane  
Charles J. Lancelotta  
Charles S. Samorodin  
Burton S. Schonfeld  
Howard Semins  
Eugene Willis, Jr.

1969  
Mark M. Applefeld  
Emile A. Bendit  
George R. Brown  
Paul J. Connors  
Howard A. Davidov  
Graham Gilmer, III  
Roy R. Goodman  
Constance L. Holbrook  
Robert A. Helsel  
Arnold Herskovic  
Edwin E. Mohler  
O. Lee Mullis  
Alan J. Segal

1970  
Francis A. Bartek  
John P. Caulfield  
Leo A. Courtney, III  
Louis S. Halikman  
Richard M. Protzel  
Joseph P. Michalski  
James S. Murphy  
John H. Poehlman  
Edward J. Prostic  
Norman W. Taylor

1971  
Sachiko T. Cochran  
Charles F. Hobelmann, Jr.



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### 1972

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Sheila A. Gibney  
Robert B. Grossman  
Michael R. Petriella  
Peter D. Vash  
Dean L. Vassar  
Howard J. Weinstein  
Brian J. Winter  
Celeste L. Woodward

### 1973

W. Edwin Conner  
Edwin A. Deitch  
Raymond D. Drapkin  
G. Reed Failing, Jr.  
David J. Greifinger  
Denis Wm. MacDonald  
Mark P. Miller  
Bernard G. Milton  
Ira M. Stone  
T. S. Templeton, II  
Harold Tucker

Roberta S. Tucker  
Richard M. Weisman

### 1974

Charles P. Adamo  
Michael H. Hotchkiss  
James Jay McMillen  
Sheldon D. Milner  
Denis A. Niner  
Michael E. Reichel  
W.R. Weisburger

### 1975

Bruce E. Beacham  
Gary F. Harne  
Donald S. Horner  
Dorothy S. Hsiao  
M.C. Kowalewski  
Charles E. Manner  
Scott M. McCloskey  
Parry A. Moore  
Frank H. Morris  
Nicolette Orlando-Morris  
Harvey B. Pats  
Michael E. Weinblatt

### 1976

Michael E. Cox  
Christopher Feifarek  
Ellen B. Feifarek  
Jose R. Fuentes  
Bradford A. Kleinman  
James E. Mark

### 1977

Anonymous  
Elwood A. Cobey  
Linda George  
Steven H. Resnick  
Robert L. Smith  
Douglas N. Stein  
Richard J. Zangara  
Stuart A. Zipper

### 1978

Philip A. Ades  
Ira J. Kalis Cohen  
Louis J. Domenici

### 1979

Karen C. Carroll  
Judith B. Dillman  
Peter E. Godfrey  
Bruce C. Marshall  
Wayne A. McWilliams  
Linda D. Oaks  
Peter E. Rork  
Elizabeth Tso  
Perri Laverson Wittgrove  
H. Russell Wright, Jr.

### 1980

Terence D. Campbell  
Robert P. Cervenka  
Dale K. Dedrick  
Craig A. Dickman  
Judith Falloon  
Milford M. Foxwell, Jr.  
Richard M. Galitz  
Peter J. & Mrs. Valerie Golueke  
Charita C. Hoyle  
Dale K. Kedrick  
Michael R. Kessler  
Jeffrey A. Kleiman  
Susan L. Laessig  
Michael R. Lunde  
William J. Oktavec  
Russell K. Portenoy  
Michael F. Pratt

### 1981

Alice Magner Condro  
Neal M. Friedlander  
Lawrence A. Galitz  
Karen R. Kingry  
Brian & Dianne Wamsley  
Samuel A. Yousem

### 1982

Wayne L. Barber  
Thomas W. Conway  
John M. DiGrazia  
Patrick F. Gartland

Ronald D. Jacobs  
Darryl B. Kurland  
Ralph T. Salvagno  
Mark L. Stillwell

### 1983

E. Allan Atwell  
Stephen W. Dejter  
Neil B. Friedman  
George Thomas Grace  
Scott D. Hagaman  
Thomas R. Horick  
Harry Huo-tsin Huang  
Sonia M. Saracco

### 1984

Mary T. Behrens  
Theodore Y. Kim  
Dale R. Meyer  
Carole B. Miller  
R. Matthew Reveille  
Paul R. Ringelman  
Martin L. Schwartz  
Helen Walker

### 1985

Robert C. Greenwell, Jr.  
Charles S. Hames  
Jeffrey Jones  
David A. O'Keeffe  
Laura A. Tang

### 1986

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N. Eric Carnell  
Lucy Chang  
Eric J.W. Choe  
Ira Louis Fedder  
Scott W. Fosko  
Sangwoon Han  
Lee A. Kleiman  
Jeffrey Robert McLaughlin  
Steven C. Resnick

### 1987

Charles P. Fitch  
Richard W. Freeman  
Kathleen Devine Hearne  
Kevin E. Hohl  
James P. Nataro  
Susan S. Nesbitt  
Thomas S. Wilson

### 1988

Carol C. Coulson  
Jay C. Koons  
Richard D. Patten  
Stanley J. Shin

### 1989

David A. Burns

Wing C. Chau  
Randolph B. Gorman  
Stephen F. Hatem  
Steven E. Hearne  
Babak J. Jamasbi  
Joy L. Meyer  
Merdad V. Parsey  
Richard I. Weinstein  
Gregg Wolff

### 1990

Jennifer P. Corder  
Carl E. Gessner  
Kelly O'Donnell  
James E. Thompson

### 1991

Jeffrey S. Masin  
Lee Anne Matthews

### 1992

Annette Fineberg  
Geoffrey Rosenthal

### 1993

Paulette E. Browne  
Kathryn M. Connor  
Michael A. Cushner  
Amal Mattu

### 1994

Deborah S. Hopkins

### 1996

Michele M. Cooper  
Robert F. Corder  
Teresa M. Cox  
F. Thomas D. Kaplan  
James Y. Wang

### 1997

Ruwanthi Samaranyake  
Campano  
Kester I.H. Cross, Jr.  
Andrew Ward Morton

### 1998

Aaron M. Bates  
Percy Boateng  
Otha Myles  
Peter A. Reyes

### 1999

Charlotte M. Jones-Burton  
Andrew C. Kramer  
Mallory Williams

### 2001

Adebisi Ajala

### 2002

Kisa Crosse  
David J. Wang

### 2003

Judy K. Wang

### Physical Therapy Graduates

Vincent Conroy '05  
Florence P. Kendall '99  
Ruth Latimer '75  
Richard A. Lopez, '78  
Howard E. Neels, '63  
Arlene Ross '93 &  
Dr. Warren Ross  
Jon C. Waxham, '96  
Thomas W. Yates, '96

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Dr. Claudia Baquet  
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Dr. David A. Nagey  
Mr. Dennis Narango  
Dr. Chris Papadopoulos  
Dr. Krishna C.V.G. Rao  
Dr. Rafael M. Rodriguez  
Dr. Douglas D. Ross  
Dr. Bahram Sina  
Dr. Sue Song  
Dr. Philip A. Templeton  
Dr. Guntant Thaker  
Dr. Benjamin F. Trump

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VillaSanta  
Dr. Debra S. Wertheimer  
Dr. Nancy O. Whitley  
Dr. John F. Wilber

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Gerald Apollon  
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Mr. Harold G. Bell  
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I. Chu  
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Dr. and Mrs. Morton Schwartz  
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Mr. David K. Shipley  
Ms. Elizabeth K. Shufflebotham  
Mr. Richard Singer  
Mrs. Judith L. Strauch  
The Hon. Michael L. Subin  
Mrs. Barbara U. Sutton  
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Jimmie Swartz Foundation  
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Mr. Harvey Zeller



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Harry D. Cohen

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### 1946

Sidney G. Clyman  
Samuel D. Gaby

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Stanley Cohen  
Robert C. Duvall, Jr.  
Eugene P. Salvati

### 1948

A. Andrew Alecce  
Elisabeth McCauley Brumback,  
Leonard H. Golombek  
John R. Shell  
John D. Wilson

### 1949

Leonard Bachman  
Harry W. Gray  
Robert R. Rosen  
Meredith P. Smith  
John A. Spittell, Jr.  
Edward W. Stevenson

### 1950

William A. Andersen  
Harry H. Bleecker, Jr.  
L. Guy Chelton  
Thomas N. Corpening  
Miriam S. Daly  
Leonard L. Deitz  
Stanley W. Henson, Jr.  
Evangeline M. Poling  
Louis F. Reynaud  
Virginia M. Reynaud  
Henry H. Startzman, Jr.  
Elizabeth Stockly  
William H. Yeager, Jr.

### 1951

Nancy Blades Geiler  
Benjamin D. Gordon  
Homer L. Twigg, Jr.

### 1952

Charles B. Adams, Jr.  
George C. Alderman  
Lee W. Elgin, Jr.  
C. Edward Graybeal  
William R. Greco  
William L. Heimer  
Frank M. Kline  
Irving Kramer  
Morton M. Krieger  
William A. Mathews  
Jonas R. Rappeport  
Richard A. Sandler  
Alvin A. Stambler  
Donald A. Wolfel

### 1953

Scott B. Berkeley, Jr.  
Walter H. Byerly  
Charles F. Carroll  
George Gevas  
John W. Heisse, Jr.  
Werner E. Kaese  
Robert C. Kingsbury  
William S. Kiser  
Benjamin B. Lee  
Rafael Longo-Cordero  
John W. Metcalf, Jr.  
James E. Might  
George H. Miller  
George C. Peck  
Joel S. Webster

### 1954

Arthur Baitch  
Herbert L. Blumenfeld  
Efrain A. Defendini  
Morton J. Ellin  
Robert H. Ellis  
Charles T. Fitch  
Norman Forrest  
Charles J. Hammer  
Robert C. Holcombe  
Thomas E. Hunt, Jr.  
Edward S. Klohr, Jr.  
Herbert J. Levin  
Hilbert M. Levine  
Moses L. Nafzinger  
Jean C. O'Connor  
David N. Patten  
Jean C. Smith  
Ira N. Tublin  
Arthur V. Whittaker  
William O. Wild  
Robert E. Yim

### 1955

Eugenio E. Benitez

Roderick E. Charles  
James M. Close  
Roger W. Cole  
COL Theodore A. Dann  
Donald H. Dembo  
Vernon M. Gelhaus  
Julian R. Goldberg  
Henry B. Higman  
Walter E. James  
Murray M. Kappelman  
William P. Keefe  
Morton D. Kramer  
William F. Krone, Jr.  
Richard F. Leighton  
Leonard J. Morse  
Joan Raskin

### 1956

Stephen Barchet  
James A. Burwell  
Robert J. Byrne  
Theodore R. Carski  
James Castellano, Jr.  
Thomas H. Collawn  
Giraud V. Foster  
Robert N. Headley  
Webb S. Hersperger  
Albert V. Kanner  
Scheldon Kress  
Joseph G. Lanzi  
Gerald N. Maggid  
Herbert M. Marton  
Joseph S. McLaughlin  
Clark L. Osteen  
Marvin S. Platt  
Richard L. Plumb  
G. Edward Reahl, Jr.  
Harold I. Rodman  
Charles A. Sanislow  
Virginia T. Sherr  
William A. Sinton, Jr.  
John Z. Williams  
Harry D. Wilson, Jr.

### 1957

Charles Allen  
Marvin S. Arons  
James K. Bouzoukis  
Mary C. Burchell  
Robert A. Carlin  
Sebastian J. Gallo  
Nicholas A. Garcia, III  
Allen S. Gerber  
Paul K. Hanashiro  
Joseph C. Laughlin  
George A. Lentz, Jr.  
William J. Rappoport  
Richard C. Reba

Marion C. Restivo  
George W. Rever  
Leroy Shear  
Landon Clarke Stout, Jr.  
Nevins W. Todd, Jr.  
Michael S. Trupp  
Ray A. Wilson

### 1958

John T. Alexander, Sr.  
James K. Aton, Jr.  
George R. Baumgardner  
Gaylord L. Clark, Jr.  
Robert E. Cranley, Jr.  
Gilbert B. Cushner  
Ronald L. Diener  
Stanley N. Farb  
Frank P. Greene  
Albert F. Heck  
Robert Harvey Johnson  
Richard H. Keller  
Frank K. Kriz, Jr.  
Howard S. Levin  
Antonio Perez-Santiago  
Lewis H. Richmond  
Charles Silberstein  
Jerome Tilles  
William T. Ward

### 1959

Gerson Asrael  
William N. Cohen  
Robert J. Dawson  
August D. King, Jr.  
Marvin M. Kirsh  
Martin S. Kleinman  
William Kraut  
Donald R. Lewis  
Jose O. Morales  
J. Rollin Otto, Jr.  
Arthur L. Poffenbarger  
Ramon F. Roig, Jr.  
Beverly J. Stump  
George S. Trotter  
Hans Richard Wilhelmsen, Sr.

### 1960

Aristides C. Alevizatos  
Lawrence F. Awalt, Jr.  
Leonard P. Berger  
Donald W. Datlow  
Julio E. Figueroa  
Alvin Glass  
C. Earl Hill  
Ronald E. Keyser  
William E. Latimer  
Richard C. Lavy  
John C. Morton

Allen R. Myers  
Jerrod Normanly  
Selvin Passen  
Neil Robinson  
Clinton Rogers  
Jerome Ross  
Robert P. Sami  
Emanuel Silverstein  
George I. Smith, Jr.  
Morton E. Smith  
Martha E. Stauffer  
Nathan Stofberg  
Michael S. Tenner  
Harold Tritch, Jr.  
Theodore Zanker

### 1961

Andre Acosta-Otero  
James R. Appleton  
George E. Bandy  
Oscar H. Bing  
Barry Blum  
Anthony R. Boccuti  
Thomas G. Breslin  
Carlos E. Girod  
Leonard W. Glass  
Jay S. Goodman  
Carlos E. Ifarraguerri  
Gerald C. Kempthorne  
John P. Light  
Roger L. Mehl  
Robert J. Myerburg  
Michael B. Oldstone  
David Rosen  
Richard M. Sarles  
Larry G. Tilley  
George E. Urban, Jr.

### 1962

J. Fred Baker  
C. Gottfried Baumann  
Merrill I. Berman  
Louis C. Breschi  
Bruce D. Broughton  
Jon B. Closson  
Alan B. Cohen  
Paul G. Ensor  
A. Leo Franklin  
Colen C. Heinritz  
Ronald L. Klimes  
Edward J. Koenigsberg  
Paul A. Kohlhepp  
Melvin D. Kopilnick  
Johnson Ling  
David G. Musgjerd  
Theodore C. Patterson  
Donald D. Pet  
Phyllis K. Pullen  
W. Haddox Sothoron  
Osmar P. Steinwald, Jr.  
Richard R. Stephenson  
Arthur W. Traum  
Ralph E. Updike  
William B. Weglicki, Jr.  
William H. Wood, Jr.

### 1963

Robert M. Beazley  
Russell C. Bufalino  
Harold J. Campbell, Jr.  
Stephen P. Cohen  
Robert E. Dinker  
Peter C. Fuchs  
Leland M. Garrison  
B. Robert Giangrandi  
Richard L. Goldman  
Michael G. Hayes  
David R. Hess, Jr.  
Thomas V. Inglesby  
Arnold J. Jules  
Paul F. Kaminski  
Merrill M. Knopf  
Michael L. Levin  
Eric Everett Lindstrom  
Barbara A. McLean  
Mayer Schwartz  
Mitchell C. Sollod  
Alice M. Stolzberg  
Frank J. Travisano  
Joseph R. Wilson  
Aron Wolf

### 1964

Sigmund A. Amitin  
Lynn B. Baker  
Miriam L. Cohen  
Donald A. Deinlein  
Frank M. Detorie  
Lee E. Gresser  
Rosalind P. Kaplan  
Ellen Ann Kingsbury  
Mark E. Krugman  
Charles Dudley Lee, Jr.  
Donald Ted Lewers  
D. V. Lindenstruth  
Ruth E. Luddy  
Edgar V. McGinley  
M. S. Michaelis  
Joel S. Mindel  
David M. Nichols, Jr.  
Thomas J. Porter  
Jose D. Quinones  
Jerome P. Reichmister  
Barry N. Rosenbaum  
Eric D. Schmitter  
Allen D. Schwartz  
Sidney B. Seidman  
Perry S. Shelton  
Richard G. Shugarman  
Lawrence F. Solomon  
Gershon J. Spector  
Harold C. Standiford  
Robert E. Stoner  
Jonathan D. Tuerk

### 1965

Verner Albertsen  
Brian J. Baldwin  
D. Gary Benfield  
Jeffrey L. Brown  
William H. Choate

Larry C. Chong  
John C. Dumler, Jr.  
Allen A. Frey  
Stanley Friedler  
Ronald Goldner  
Mike Gould  
David R. Harris  
Charles S. Harrison  
Frederick S. Herold  
Terren M. Himelfarb  
John C. Hisley  
Allen H. Judman  
Allan Land  
Frank R. Lewis, Jr.  
Susan H. Mather  
John W. Maun  
Michael E. Pelczar  
George Peters  
Jeffrey E. Poiley  
Donald C. Roane  
Henry A. Saiontz  
Sig L. Sattenspiel  
George C. Sjolund Jr.  
Larry A. Snyder  
John M. Steffy  
Louis E. Steinberg  
Fred N. Sugar  
Harry D. Tabor  
Elliot S. Tokar  
Philip J. Whelan

### 1966

Jay M. Barrash  
Arnold S. Blaustein  
Mark J. Brown  
Dana H. Clarke  
Charles H. Classen, Jr.  
Philip B. Dvoskin  
William D. Ertag  
Stuart L. Fine  
Dwight N. Fortier  
J. M. France, Jr.  
George E. Gallahorn  
Richard S. Glass  
Dennis H. Gordon  
Stephen F. Gordon  
John G. Green  
Dean H. Griffin  
Diane Acker Haber  
Michael J. Haney  
William O. Harrison  
Thomas M. Hill  
Elizabeth C. Hosick  
Ronald H. Koenig  
Joel A. Krackow  
Stephen Machiz  
Joseph B. Marcus  
William T. Mason  
Jane C. McCaffrey  
Albert T. Miller  
Allan J. Monfried  
Stanley I. Music  
Carl J. Orfuss  
Gary D. Plotnick  
Samuel E. Press  
C. Downey Price

James A. Quinlan  
Dudley A. Raine, Jr.  
David S. Schwartz  
Richard D. Shuger  
James W. Spence  
David J. Steinbauer  
Jeffrey S. Stier  
Richard M. Susel  
Robert R. Young  
Stuart H. Yuspa

### 1967

Elizabeth A. Abel  
John A. Bigbee  
William F. Bloom  
William L. Boddie  
Susan Bollinger  
George Peters  
Donald S. Bright  
Colvin H. Carter  
Edward R. Cohen  
Francis D. Drake  
Harris J. Feldman  
Henry Feuer  
Eric M. Fine  
Robert O. France  
Joseph S. Gimbel  
Jose R. Gracia  
David M. Hadden  
James L. Hamby  
Robert W. Hertzog  
Arthur L. Hughes  
Charles E. Jordan, III  
Michael A. Kaliner  
Eugene F. Kester  
James G. Konrad  
George A. Lapes  
Gary M. Lattin  
Stuart H. Lessans  
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Fred R. Nelson  
Joseph C. Orlando  
Edward B. Ostroff  
Arnold Z. Paritzky  
Howard L. Pelovitz  
C. Jean Posner-Gordon  
Allan S. Pristoop  
Merrill C. Raikes, III  
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Michael L. Sherman  
David M. Snyder  
John R. Stephens  
Michael D. Sussman  
Lawrence M. Tierney, Jr.  
Donald B. Vogel  
Larry J. Warner  
Allan M. Wexler  
Gary Wilner  
Alan F. Wolf

### 1968

Richard A. Baum  
Sheldon B. Bearman  
Michael W. Benenson  
Barry A. Blum  
Morton B. Blumberg



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Sidney R. Gehlert, III  
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Ronald S. Glick  
Stephen L. Hooper  
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James G. Kane, Jr.  
George Knefely, Jr.  
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Charles J. Lancelotta, Jr.  
Barry A. Lazarus  
Gordon L. Levin  
Abraham A. Litt  
Stanford H. Malinow  
Karl F. Mech, Jr.  
Herbert E. Mendelsohn  
Anthony L. Merlis  
Bruce L. Miller  
Joel Wm. Renbaum  
Merchline Riddlesberger  
David J. Riley  
Rorick T. Rimash  
Stephen D. Rosenbaum  
Charles S. Samorodin  
Barry J. Schlossberg  
Burton G. Schonfeld  
Howard Semins  
Stuart H. Spielman  
W. Bryan Staufer  
Jon M. Valigorsky  
Pedro J. Vergne-Marini  
Edward E. Volcjak  
Stanley R. Weimer  
William M. Williams  
Stuart Winakur  
Edward J. Young

## 1969

Mark M. Applefeld  
Edward E. Aston  
James O. Ballard, III  
Emile A. Bendit  
Barry B. Bercu  
Sanders H. Berk  
John C. Blasko  
Robert M. Braun  
George Brown  
Stanley Brull  
Donald W. Bryan  
Edward Allen Carter  
Vaughn D. Cohan  
Paul J. Connors  
Jay Copeland  
Leonard D. Cutler  
Howard A. Davidov

Ronald L. Elson  
Anthony F. Faustine  
Richard E. Fisher  
Donna L. Gibbas  
Graham Gilmer, III  
M. Fredrica Godshalk  
Samuel D. Goldberg  
Roy R. Goodman  
Marvin J. Gordon  
Robert A. Helsel  
Constance L. Holbrook  
Reynold M. Karr, Jr.  
Ronald A. Katz  
Felix L. Kaufman  
Daniel J. Ladd  
Murray L. Margolis  
Charles W. McCluggage  
John R. McCormick  
Arthur V. Milholland  
Edwin E. Mohler  
Wayne H. Parris  
Frederick N. Pearson  
Robert W. Phillips  
Harry Rabinovich  
Leon Reinstein  
David R. Richmond  
Polly B. Roberts  
Brian S. Saunders  
Ronald L. Schneider  
W. Winslow Schrank  
John W. Shaffer  
Kathryn F. Skitarelic  
William I. Smulyan  
David H. Snyder  
David A. Solomon  
Kristin Stueber  
Kenneth C. Ullman  
Haven N. Wall  
David A. Wike

## 1970

Jerome D. Aronowitz  
Alva S. Baker, III  
David H. Berkeley  
David H. Berman  
Martin Braun, III  
John P. Caulfield  
Leo A. Courtney, III  
Joseph H. Cunningham, Jr.  
Joseph N. Friend  
Julian A. Gordon  
Michael A. Grasso  
Stephen B. Greenberg  
William D. Hakkarinen  
Louis S. Halikman  
Lin H. Ho  
Kenneth M. Hoffman  
Whitney Houghton  
Robert S. Katz  
Michael Kilham  
Bennett L. Lavenstein  
Donald L. Leass  
Philip A. Mackowiak  
C. B. Marek, Jr.  
Joseph P. Michalski

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Robert F. Sarlin  
Robert A. Shpritz  
Gregory T. Sobczak  
Ronald J. Stanfield  
William A. Warren  
Arthur M. Warwick  
Charles I. Weiner  
Stanley M. Zaborowski  
Bernard E. Zeligman

## 1971

Brian M. Benson  
Elliott S. Bondi  
Richard A. Bordow  
George H. Brouillet, Jr.  
Ronald P. Byank  
Michael R. Camp  
Sachiko T. Cochran  
Daniel L. Cohen  
Larry I. Corman  
Terry P. Detrich  
Steven A. Feig  
Fredric B. Flax  
Lawrence A. Fleming  
Burton J. Glass  
Robert B. Greifinger  
Gary A. Grosart  
Peter M. Hartmann  
Jerry Herbst  
Ben T. Ho  
Charles F. Hobelmann, Jr.  
Gwynne L. Horwits  
T. Noble Jarrell, III  
Jerald Kay  
Richard C. Keown  
John B. Kramer  
William R. Linthicum  
Jack S. Lissauer  
Michael J. Maloney  
Michael L. Mattern  
Robert M. Mentzer, Jr.  
Susan S. Perlstein  
R. Henry Richards  
Donald M. Rocklin  
Paul T. Rogers  
Henry Sacks  
JoAnn C. Santos  
Gerald N. Schaffer  
Michael J. Schultz  
Ralph E. Seligmann  
Robert E. Sharrock  
Panayiotis L. Sitaras  
Marshall K. Steele, III  
Benedict A. Termini  
Kerry J. Thompson  
Robert H. Weinfeld  
C. T. Woolsey, Jr.

## 1972

Barbara Rosenthal Adler  
Jack J. Applefeld  
Robert W. Ashmore  
Robert J. Bauer  
James H. Biddison  
Roy C. Blank  
John Wolfe Blotzer  
Deborah J. Brandchaft-Matro  
Cary D. Brown  
Elizabeth R. Brown  
Neil F. Cannon  
Howard N. Caplan  
Irvin M. Cohen  
Judith M. Dischel  
Joyce I. Ellis  
Karen S. Fountain  
Darryl J. Garfinkel  
Matthew J. Gibney, III  
Sheila A. Gibney  
Michael E. Golembieski  
Sumner H. Goodman  
Robert B. Grossman  
John C. Harris  
John R. Horn  
Joseph K. Jamaris  
Neil B. Kappelman  
Jeffrey J. Kline  
Mark J. LeVine  
William T. Merritt  
George A. Metzger  
John A. Niziol  
John M. Oday  
Michael R. Petriella  
William E. Randall, Jr.  
Marlene E. Rogers  
Martin S. Rosenthal  
Charles J. Schlepner  
Joseph S. Shapiro  
Richard H. Sherman  
H. Hershey Sollod  
Thomas J. Toner  
Peter D. Vash  
Dean L. Vassar  
Marjorie A. Voith  
Jerald P. Waldman  
Eliot M. Wallack  
Howard J. Weinstein  
Thomas V. Whitten  
Richard H. Wingert  
Barry M. Wolk  
Celeste L. Woodward  
Lyn J. Yaffe  
Edgardo L. Yordan, Jr.

## 1973

Jeffrey C. Blum  
Thomas Robert Calame  
Charles R. Clark  
Gregory A. Denari  
Michael J. Dodd  
Steven H. Dolinsky  
Charles Gregory Elliott  
Alan R. Figelman  
Marjorie W. Foreman

Nelson H. Goldberg  
David Goldscher  
David J. Greifinger  
Steven J. Gross  
Louis E. Harman, III  
David E. Herman  
Mark Jacobs  
Allan S. Jaffe  
Michael Francis Jaworski  
Erich Kim  
Walter B. Koppel  
Margo M. Leahy  
Stephen K. Lemon  
Gary M. Levinson  
Jeffrey S. Lobel  
Denis W. MacDonald  
Samuel V. Mace  
Thomas Mansfield  
A. Robert Masten  
Elizabeth F. Masten  
Mark P. Miller  
Donald J. Russ  
Alfred J. Saah  
Howard I. Saiontz  
Ronald A. Seff  
Gregory Bernard Shankman  
Gary Mark Shapiro  
Ronald F. Sher  
Barbara W. Siskin  
Robert B. Stifler  
Ira M. Stone  
Harold Tucker  
Robert A. Tucker  
Charles B. Watson  
Richard M. Weisman  
John L. Whitlock  
Alan L. Whitney

## 1974

Charles P. Adamo  
Samuel I. Benesh  
Lynn M. Billingsley  
Richard W. Bittrick  
Jeffrey P. Block  
Richard A. Block  
Alan L. Carroll  
James G. Chaconas  
Randolph P. Christianson  
Thomas C. Doerner  
Stephen B. Fleishman  
Alan E. Gober  
Edward S. Gratz  
Robert M. Guthrie  
Charles A. Haile  
Jean W. Helz  
Charles M. Jaffe  
Laslo E. Kolta  
Howard G. Lanham  
Merrill B. Lewis  
Stephen R. Matz  
Terrance P. McHugh  
James J. McMillen  
Stephen E. Metzner  
Joel B. Miller  
Sheldon D. Milner  
Susan R. Panny

Jeffrey M. Pargament  
Edward L. Perl  
Jay A. Phillips  
Clayton L. Raab  
James M. Raver  
Sue Raver  
Bruce L. Regan  
Michael E. Reichel  
June K. Robinson  
John M. Schnell  
Edward N. Sherman  
Mitchell T. Smolkin  
Elise W. Van der Jagt  
Steven A. Vogel  
Emerson C. Walden, Jr.  
M. H. Wojtanowski  
Stephen N. Xenakis  
Robert S. Yasner  
Allen C. Zechow  
David L. Zisow

## 1975

Charles E. Andrews, Jr.  
James L. Atkins  
Robert J. Beach  
Bruce E. Beacham  
Jonathan D. Book  
James J. Campbell  
John H. Carrill  
Seth B. Cutler  
Karl W. Diehn  
L. Thomas Divilio  
Albert H. Dudley, III  
James R. Evans  
Patricia R. Falcao  
Louis Fox  
Leslie J. Gray  
Gary F. Harne  
Darvin L. Hege  
Charles F. Hoesch  
Dorothy Shih Yi Hsiao  
Kenneth V. Iserson  
Marion C. Kowalewski  
Thomas F. Krajewski  
Mary Lou Kramer  
Kenneth D. Krause  
Frank E. Long  
Edmund J. MacLaughlin  
Charles E. Manner, Jr.  
W. Peter Marwede  
Scott M. McCloskey  
Jeffrey L. Metzner  
Edward M. Miller  
Thomas L. Moffatt  
Parry A. Moore  
Edward L. Morris  
Frank H. Morris  
Nicolette Orlando-Morris  
Harvey B. Pats  
Kathryn A. Peroutka  
Bradford A. Kleinman  
Harry Clarke Knipp  
Charles Leonard Knupp  
Albin O. Kuhn, II  
Barry K. Levin  
John W. Rose

## CALLS FOR

# 2018 Awards Nominations!

Alumni, faculty, and friends are invited to send in their nominations for two MAA-sponsored awards by November 1, 2017. The Honor Award & Gold Key is presented to a living graduate for outstanding contributions to medicine and distinguished service to mankind. Factors considered in the selection process include impact of accomplishments, local, national, and international recognition, supporting letters, and publications. The Distinguished Service Award is presented for outstanding service to the Medical Alumni Association and University of Maryland School of Medicine. The awards are to be presented during the annual Reunion Recognition Luncheon on Friday, May 4, 2018. Letters of nomination for both awards must include a curriculum vitae and should be addressed to:

Sandra M. Quezada, '06, Chair, MAA Awards Committee, 522 W. Lombard St., Baltimore, MD 21201-1636 or emailed to: [maa@medalumni.umaryland.edu](mailto:maa@medalumni.umaryland.edu)



Honor Award & Gold Key & MAA Service Award

Andrew B. Rudo  
James H. Somerville  
Michael B. Stewart  
George A. Taler  
Richard L. Taylor  
Lloyd M. Van Lunen, Jr.  
Robert A. Vegors  
Gary J. Waxman  
Michael E. Weinblatt  
Julius David Zant  
William H. Zeidler, Jr.

## 1976

Timothy E. Bainum  
Steven M. Berlin  
Damian E. Birchess  
Lawrence F. Blob  
John W. Bowie  
Janet F. Brown  
William G. Brown  
Michael E. Cox  
Vincent W. DeLaGarza  
Suzanne Ray Dixon  
Edward F. Driscoll  
Christopher J. Feifarek  
Ellen B. Feifarek  
William G. Flowers  
Allan D. Friedman  
D. Stewart Ginsberg  
Allan S. Gold  
Darrell M. Gray  
Ira E. Hantman  
Gary M. Jacobs  
Patricia D. Kellogg  
Jacqueline Kelly  
Bradford A. Kleinman  
Harry Clarke Knipp  
Charles Leonard Knupp  
Albin O. Kuhn, II  
Barry K. Levin  
Miriam Yudkoff Lloyd

Bruce Evan Lockman  
James E. Mark  
Arnold B. Merin  
Stanley G. Middleton  
W. Bruce Obenshain  
Gary P. Posner  
Mitchell H. Rubenstein  
Melvin Sharoky  
Moshe J. Shmuklarsky  
Bruce A. Silver  
Lee Stuart Simon  
James Srour  
Jerry N. Stein  
William B. Tauber  
Sherry Lynn Werner  
Susan M. Willard  
Pamela A. Wilson  
Benjamin K. Yorkoff  
Arno L. Zaritsky  
Robert G. Zeller

## 1977

Katherine Ackerman  
Michael F. Adinolfi  
Stuart B. Bell  
Michael P. Bey  
Marc S. Bresler  
David E. Bright  
Elwood A. Cobey  
William J. Dichtel, Jr.  
Willarda V. Edwards  
Rona B. Eisen  
Frederic T. Farra  
James Feld  
Richard J. Feldman  
Robert T. Fisher, Jr.  
Donna Lucas Frankel  
Samuel D. Friedel  
Linda L. George  
Alan S. Gertler  
Doris L. Gertler



# honor roll 2017

Anne C. Goldberg  
Beverli S. Goldberg  
Neil D. Goldberg  
Donald J. Gordon  
Charles R. Graham  
Charles E. Green  
Norman Harris  
Marlene T. Hayman  
Dahlia R. Hirsch  
Christopher F. James  
Curtis A. Johnston  
Ronald L. Kahn  
Horace W. King, Jr.  
Sheldon H. Lerman  
Eva Magiros  
Paul A. McClelland  
Ellis Mez  
John P. Miller, III  
Edward B. Mishner  
Coleman A. Mosley  
Paul A. Offit  
Lee R. Pennington  
Gerald P. Perman  
Steven H. Resnick  
Richard B. Silver  
Bruce H. Sindler  
Robert L. Smith  
Clyde A. Strang  
David Strobel  
Raymond C. Talucci, II  
Michelle Uhl  
Jonathan R. Walburn  
Bennett E. Werner  
Katherine C. White  
Barry A. Wohl  
Richard J. Zangara  
Stephen M. Zemel  
Stuart A. Zipper

## 1978

Philip A. Ades  
Robert E. Applebaum  
Sr. Susanne S. Ashton  
Charles W. Bennett  
Deborah J. Biller  
Adam Billet  
Steven Billet  
Edward N. Bodurian  
Howard Boltansky  
Timothy J. Burton  
Dale B. Call  
Louis J. Domenici  
Ian S. Elliot  
John L. Fiore  
Andrew P. Fridberg  
Marianne F. Fridberg  
Morris Funk  
Paul E. Gilliam, Jr.  
Michael D. Gotts  
Cynthia L. Graves  
Richard A. Gruen

Richard H. Hallock  
Michael J. Ichniowski  
Stuart L. Jacobs  
David E. Kelley  
Elizabeth M. Kingsley  
Pamela G. Krahl  
Alan J. Levin  
Mark D. Lisberger  
Michael N. Macklin  
Jeffrey G. Middleton  
Harvey S. Mishner  
David G. Oelberg  
Gary C. Prada  
Susan H. Prouty  
James F. Rooney  
Ronald J. Ross, Jr.  
Lawrence D. Sandler  
S. E. Shawver-Matthews  
Robert S. Shayne  
Sanford J. Siegel  
Francisco Alberto Smith  
Alexis B. Sokil  
Stuart R. Stark  
Eileen K. Stork  
Ellen L. Taylor  
Stephen A. Valenti  
Neil E. Warres  
Donald T. Weglein  
Bruce E. Weneck  
Randolph G. Whipps

## 1979

Arthur E. Bakal  
Bruce D. Behounek  
Karen C. Carroll  
James A. Cockey  
Burt I. Feldman  
Mitchell Finkel  
Christopher S. Formal  
Scott D. Friedman  
Jeffrey D. Gaber  
Leon W. Gibble  
Peter E. Godfrey  
Joyce Y. Gross  
A. Stephen Hansman  
Charles I. Highstein  
Jan M. Hoffman  
Michael E. Hull  
Martin F. Joyce-Brady  
James W. Karesh  
Alan L. Kimmel  
Max D. Koenigsberg  
Owen Lee  
Susan M. Levy  
George S. Malouf, Jr.  
Bruce R. McCurdy  
Wayne A. McWilliams  
Kathleen H. Miller  
Peter E. Rork  
Bruce Rosenberg  
Mark S. Rosenthal  
Radames Sierra-Zorita  
Denise G. Simons-Morton  
Michael J. Smith  
Dorothy A. Snow  
Kevin B. St John

## The Honor Roll

David B. Tapper  
James A. Tegeler  
Edward A. Tsoy  
Thomas B. Volatile  
Harlan F. Weisman  
Perri Laverson Wittgrove  
Arthur F. Woodward, Jr.  
Erik B. Young  
Kristen A. Zarfos

## 1980

Robert C. Ammlung  
Umur M. Atabek  
Mehtap Atagun Aygun  
Lawrence A. Brown  
Terence D. Campbell  
Wayne E. Cascio  
Robert P. Cervenka  
Jane L. Chen  
Catherine Crute  
Kirk D. Cylus  
Dale K. Dedrick  
Paul E. Driscoll  
Judith Falloon  
James F. Fiastro  
Milford M. Foxwell, Jr.  
Cathy Powers Friedman  
Christine L. Galan  
Vincent W. Gatto, Jr.  
Grace K. Gelletly  
Alan I. Gelman  
Deborah L. Gofreed  
Marcia P. Goldmark  
Deborah L. Hebb  
Christine L. Helinski  
Lee J. Helman  
Michael J. Hoffman  
Charita C. Hoyle  
Marian F. Kellner  
Michael R. Kessler  
Jeffrey A. Kleiman  
David S. Klein  
Kenneth C. Kunze  
Susan Lamme Laessig  
Anne Dunlavy Lane  
Peter T. Lapinsky  
Charles E. Lee  
John R. Livengood  
Michael R. Lunde  
Robert Y. Maggin  
Teri A. Manolio  
Richard A. Marasa  
Karen J. Marcus  
John N. Margolis  
David J. Markowitz  
Margaret E. McCahill  
Timothy P. McLaughlin  
Steven M. Miller  
Judah A. Minkove  
Thomas P. Moran  
Michael J. Moritz  
Eric M. Orenstein  
Keith D. Osborn  
David I. Otto  
Dorothy A. Snow  
Russell K. Portenoy

Guy H. Posey  
Michael F. Pratt  
James P. Richardson  
Paul M. Rivas  
Roger J. Robertson  
James W. Ruppel  
Frederick W. Schaefer  
Robert L. Schiff  
Roy T. Smoot, Jr.  
Victoria W. Smoot  
Catherine N. Smoot-Haselnus  
Marc D. Sokolow  
Sally E. Sondergaard  
Ladd Spiegel  
Henry H. Startzman, III  
Henry W. Sundermier  
Phuong D. Trinh  
Emily Ulmer Michelsen  
Eric Van Buskirk  
Francis L. Wiegmann, Jr.  
Charles A. Wilkes

## 1981

Peter M. Barker  
James M. Carlton  
Alice M. Condro  
William A. Dombrowski  
Kevin J. Doyle  
Paula A. Ehrlich  
Daniel P. Ferrick  
Frederick G. Flaccavento  
Elizabeth A. Fronc  
Patricia C. Frye  
Hope U. Griffin  
Warren S. Groff  
William S. Gruss  
Howard T. Jacobs  
Marc A. Jaffe  
Brian H. Kahn  
Karen R. Kingry-Olson  
Orly C. Korat  
Mark C. Lakshmanan  
Andrew M. Malinow  
Gordon L. Mandell  
Carol S. Marshall  
Scott T. Maurer  
David W. McClure  
Marc Okun  
James L. Pertsch  
Linda J. Rever  
Donna L. Rinis  
Howard N. Robinson  
Lauren A. Schnaper  
Howard L. Siegel  
Samuel Smith  
Dina R. Sokal  
Carl Sperling  
Michael T. Stowell  
Brian W. Wamsley  
Samuel A. Yousem  
Laurie T. Zimmerman

## 1982

Guillermo W. Arnaud  
Wayne L. Barber  
David Christopher Barnes

Kenneth A. Blank  
Jose Boston  
Paul S. Brockman  
Charles Carroll  
Joseph P. Connelly  
Thomas William Conway  
Brian K. Cooley  
John M. DiGrazia  
Jonathan S. Elias  
Rebecca Elmaleh  
Robert J. Fadden  
Patrick F. Gartland  
Warren Gibbs  
George E. Groleau  
J. Philip Hall  
C. William Hicks, III  
Constance J. Johnson  
Bruce A. Kaup  
Mark R. Keller  
Darryl B. Kurland  
Carole R. Lerman  
Gary M. Levine  
Jonathan D. Lowenthal  
Charles T. Lucey, II  
Jonathan L. Miller  
Steven H. Parker  
Daniel M. Perlman  
Robert M. Phillips  
Allan Jay Raskin  
Sheri L. Rowen  
John A. Shutta  
Eliot L. Siegel  
Marc H. Siegelbaum  
Ellen A. Spurrier  
Laura L. Stephenson  
Mark L. Stillwell  
Leon Strauss  
Corina J. Waldman

## 1983

Marc B. Applestein  
Nancy Ashburn  
Edward Allan Atwell  
Christine J. Bell-Lafferman  
Jeffrey J. Bernstein  
George M. Boyer  
Harry A. Brandt  
Peter G. Brassard  
Monica A. Buescher  
Michael A. Caplan  
George B. Cavanagh, Jr.  
Beverly A. Collins  
Craig E. Collins  
Protagoras N. Cutchis  
Ludwig J. Eglseider, III  
Joyce Evans  
G. Thomas Grace  
Scott D. Hagaman  
James D. Herr  
Thomas R. Hornick  
Harry Huo-tsin Huang  
David P. Johnson  
Mary Jo Johnson  
Mary I. Jumbelic  
Michael R. Kammerman  
Alan B. Kravitz

Gary F. Kuhns  
Jeffrey A. Lafferman  
Steve A. Laverson  
Michael K. McEvoy  
Karen F. Meckler  
Jeffrey K. Moore  
Garry Leland Mueller  
Harry A. Oken  
Nancy E. Prosser  
Mark E. Richards  
Marc S. Rocklin  
Edward Q. Rogers  
Sonia M. Saracco  
Jeannine L. Saunders  
David J. Schamp  
Ronald H. Schuster  
Robert B. Shochet  
M. Steve Sniadach  
James D. Spiegel  
Michael A. Stoiko  
William Fleet Umhau  
Victoria Ann Vanik  
Margaret M. Vaughan  
Robert E. Walker  
Emmanuel B. Walter, Jr.  
Barbara C. Williamson

## 1984

Rodney Samuel Arthur  
Roy E. Bands, Jr.  
Linda F. Barr  
Donald M. Beckstead  
Gail S. Brook  
Mark D. Bullock  
John F. Cary  
E. O. Chambers, III  
John R. Downs  
Lindsay I. Golden  
Charles T. Gordon, III  
Heidi D. Gorsuch-Rafferty  
Todd H. Hillman  
Leslie I. Katzel  
William B. Kerns  
Theodore Y. Kim  
N. W. Koutrelakos  
Frederick E. Kuhn, Jr.  
Susan M. Lancelotta  
David R. Lee  
Brad D. Lerner  
David E. Lilienfeld  
Lynn M. Ludmer  
Dale R. Meyer  
Lloyd G. Mitchell, Jr.  
Edward P. Nast  
Phillip L. Pearl  
Gregory S. Pokrywka  
R. Matthew Reveille  
Paul R. Ringelman  
Samuel M. Rosenberg  
Isabel L. Rosenbloom  
Lee M. Schmidt  
J. Theodore Schwartz, Jr.  
Martin L. Schwartz  
Luette S. Semmes  
Matthew M. Shuster

## The Honor Roll

Joshua Z. Sichel  
Dana S. Simpler  
Carmela A. Sofia  
Allen J. Solomon  
William G. Tan  
Sharon R. Tapper  
Robert W. Tarr  
Katherine D. Tobin  
Timothy C. Trageser  
Helen E. Walker  
Jeremy P. Weiner  
Mitchell H. Weiss  
Michael W. Wingo  
Alan H. Wolff  
Christopher J. Zajac  
Lawrence A. Zimnoch

## 1985

Carl F. Alessi  
Richmond P. Allan  
Ira S. Allen  
Nicholas B. Argento  
Susan K. Arisumi  
Susan Barrows  
Wendy J. Bergman  
Joanna D. Brandt  
Margaret O. Burke  
Peter F. Burns  
Rudolph C. Cane, Jr.  
Mark Jay Ehrenreich  
Jeffrey H. Ethernton  
Steven L. Friedman  
Frederick M. Gessner  
Daniel I. Ginsberg  
Peter R. Gray  
Robert C. Greenwell, Jr.  
Charles S. Hames  
Sharon M. Henry  
Sean E. Hunt  
Thomas B. Johnson  
Jeffrey D. Jones  
Marc A. Kaufman  
Joanne L. Kinney  
Jay K. Kolls  
Donald R. Lewis, Jr.  
Richard W. Maack  
Alan R. Malouf  
Paul C. Marinelli  
David J. Mauterer  
David A. O'Keefe  
Patricia A. Patterson  
Michael J. Platto  
David W. Porter  
Michael P. Riggelman  
Hari C. Sachs  
Sharon B. Samuels  
S. J. Schoenfelder  
Michael J. Sicuranza  
Eric C. Sklarew  
Laura A. Tang  
Laszlo R. Trazkovich  
Robert A. VanBesien  
H. Von Marensdorff  
Paul R. Weiner  
Stephen P. Yeagle

## 1986

Jeffrey R. Abrams  
Samuel R. Akman  
Marilyn F. Althoff  
Stephanie H. Applebaum  
Bryan K. Bartle  
Lauren L. Bogue  
N. Eric Carnell  
Lucy Chang  
Eugenio R. Chinae  
Eric J. W. Choe  
Neri M. Cohen  
Colleen L. Cook  
Jeffrey P. Cramer  
Steven F. Crawford  
John C. Davis Jr.  
James A. Dicke  
Donna L. Dow  
Charles W. Emala  
Ira L. Fedder  
Barbara B. Fleming  
Patrick A. Flynn  
Les B. Forgosh  
Scott W. Fosko  
David L. Gold  
Albert S. Hammond, III  
Sangwoon Han  
Craig D. Hochstein  
Paul E. Hogsten  
Robert F. Hoofnagle, Jr.  
Michael T. Jaklitsch  
Elzbieta A. Janczur  
Thomas E. Kelly, III  
Lee A. Kleiman  
Jan M. Koppelman  
Dennis Kurgansky  
Karen A. Lavoie-Starr  
Joseph G. Liberto  
Marsh R. McEachrane  
Jeffrey R. McLaughlin  
Samuel B. Miller  
Scott A. Milsteen  
Gregory K. Morrow  
David W. Oldach  
Joan Ordman  
Donna L. Parker  
Stephan Pavlos  
Steven C. Resnick  
Toby A. Ritterhoff  
John F. Rubin  
Lisa A. Scheinin  
Jonathan S. Schwab  
Nadine B. Semer  
Asad U. Sheikh  
Debra D. Taylor  
Nevins W. Todd, III  
Nicholas Visnich, Jr.  
Mark J. Vocci

## 1987

Susan Goldberg Baruch  
Henry J. Chen  
John G. Evans  
Mary K. Ewing  
C. Patrick Fitch  
Michael P. Flanagan



# honor roll 2017

Heidi L. Frankel  
Richard W. Freeman  
Jennifer S. Gass  
Bruce D. Greenwald  
Ralph R. Gregg  
Vernita D. Hairston-Mitchell  
Charles J. Hammer, III  
Elizabeth R. Hatcher  
Kevin E. Hohl  
Stephen L. Houff  
Patricia E. Kelly  
Betty Ann Kyser  
G. Michael Maresca  
Raymond W. Moy  
Thomas B. Mulford  
Susan Suholet Nesbitt  
Timothy D. Nichols  
Yvonne L. Ottaviano  
Jennifer R. Pyle  
Jeffrey R. Rehm  
Thomas L. Seymour, Jr.  
Joy F. Slade  
Jan H. Stahl  
Roger M. Stone  
George A. Stouffer, III  
Paul A. Tarantino  
Daniel L. Taylor  
Karen R. Teston  
David M. White  
Shelly Wong Woodward  
Donald V. Woytowicz, Jr.  
Kathleen M. York-Jordan

## 1988

Charles I. Berul  
Ira I. Chang  
Margaret S. Chisolm  
Carol C. Coulson  
Paula DeCandido  
Jose E. Dominguez  
Matthew R. Dukehart  
James V. Ferris  
Mark H. Fraiman  
Christopher J. Galuardi  
Rebecca A. Goedeke  
Nancy M. Hammond  
Gregg L. Heacock  
Jay C. Koons  
Kenneth W. Kotz  
Martha L. Leslie  
Roger J. Levin  
Marilyn N. Ling  
Stanley M. Pamfilis  
Richard D. Patten  
Paul E. Perito  
Stuart M. Pollack  
Stephen M. Pomerantz  
Manuel V. Ramos, Jr.  
Jeffrey P. Ross  
Gail M. Royal  
Jonathan A. Seidenberg  
Stanley Joonho Shin

Geoffrey N. Sklar  
Steven K. Snyder  
Kelley Willis Sullivan  
Kenneth K. Tam  
Alane B. Torf  
Todd A. Tritch  
Marcos A. Ugarte  
Raymond A. Wittstadt  
Monford A. Wolf  
Marcella Ann Wozniak  
Pamela Wright

## 1989

John T. Alexander, II  
Edward L. Baldwin, Jr.  
Brian H. Breslaw  
Angela I. Choe  
Joseph W. Cook, IV  
Steven R. Daviss  
Mary Carmel Deckelman  
Erin R. Drew  
Michael O. Duhaney  
Brian J. Eastridge  
Clarita G. Frazier  
Randal D. Getz  
David A. Gnegy  
Randolph B. Gorman  
Niloufar Guiv  
Robert R. Haddon  
Ann S. Hagen  
Stephen F. Hatem  
Babak J. Jamasbi  
Karen L. Ksiazek  
Cheryl Dungan Leonardi  
Norman A. Lester  
Joy L. Meyer  
Jean M. Naples  
Lawrence G. Narun  
Bernardo J. Ordonez  
Mary E. Pagan  
Merdad V. Parsey  
David A. Riseberg  
Lise K. Satterfield  
David S. Scharff  
Ronald M. Schwartz  
David P. Smack  
Patricia M. Sullivan  
Tackson Tam  
John N. Unterborn  
William E. Venanzi, Jr.  
Richard I. Weinstein  
Robin Williams  
Gregg Wolff

## 1990

Samuel M. Alaish  
Carolyn M. Apple  
David H. Balaban  
Nicholas M. Cardiges  
William P. Cook  
Jennifer P. Corder  
Peter E. Darwin  
Kevin M. Fleishman  
Carl E. Gessner  
Marc S. Goldman  
Mary K. Hoffman

## The Honor Roll

Teresa H. Hoffman  
Stephanie L. Linder  
Michael F. Maguire  
Philip R. Mc Dowell  
Mark A. Mighell  
Robert F. Musselman  
Leigh A. Naughton  
Martin I. Passen  
Michael E. Rauser  
Jeffrey Rosenfeld  
Morris Lee Scherlis  
Dwayne T. Shuhart  
Magesh Sundaram  
James E. Thompson  
Tuanh Tonnu  
Marisa J. Werner  
Amy A. Zimmerman

## 1991

Yared Aklilu  
Renato G. Albaran  
Michael Lynn Ault  
Karen Elizabeth Brown  
Elizabeth W. Capacio  
Daniel Hugh Collector  
Beth Gail Diamond  
Robert B. Donegan  
Fazeela Ferouz  
Angela S. Guarda  
Jennifer A. Hollywood  
Thomas B. Kelso  
Matthew G. Kramer  
Jeffrey S. Masin  
Lee Anne Matthews  
Arman C. Moshyedi  
Ali Nasser  
Eric S. Nussbaum  
Janet M. O'Mahony  
Bertan Ozgun  
John Joseph Pagan  
Zinon Mark Pappas  
David Seth Pomerantz  
Roberto N. Puglisi  
Cynthia N. Schaeffer  
Christianne Schoedel  
Linda E. Smiddy-Nelson  
Kelly F. Smith  
Jill Clark Sorbera  
David Lee Taragin  
Chris A. Van Beneden  
Andrew D. Vennos  
Marjorie K. Warden

## 1993

Steven D. Avezano  
Christian D. Bounds  
Gregory M. Brouse  
Susan M. Brouse  
Paulette E. Browne  
Kathryn M. Connor  
Michael A. Cushner  
Valerie R. Dyke  
Marc D. Hamburger  
Steven Hockstein  
Debra B. Hurtt  
Barbara A. Hutchinson  
Patricia P. Jett  
Andrew P. Lieberman  
Denis Y. Lin  
Gina M. Massoglia  
Amal Mattu  
Ursula B. Mc Clymont  
Stacy Y. Oshry  
George A. Porter Jr.  
Douglas H. Seeb  
David B. Sigman  
Michael W. Stasko  
Susma S. Vaidya  
Christopher J. Welsh  
John C. White  
Lore B. Wootton  
Thomas H. Yau  
Charles D. Yim

## 1994

Konni E. Bringman  
Amy Singleton Church  
Sandra Buchman Collins  
Brett W. Engbrecht  
Demitrous Frazier  
David R. Gallatin  
Ruth K. Gallatin

Annette E. Fineberg  
David W. Gentry  
Anthony H. Guarino  
Jonathan Hamburger  
Donna S. Hanes  
Samia Hasan  
Todd K. Kihara  
David W. Kossoff  
Jonathan Krome  
Jean E. Lighthall  
Jerome E. Lopez  
Joseph L. Manley  
Kendall A. Marcus  
James E. Montgomery-Hays  
Joyce L. Owens  
David R. Pimentel  
Lisa Kolste Rakowski  
Ronald T. Rakowski  
David S. Robbins  
Tony L. Robucci  
Geoffrey Lahn Rosenthal  
Joel A. Turner  
John M. Vaeth  
Toan R. Vu  
Trumer J. Wagner, Jr.  
Seymour G. Williams

## 1995

Melinda Battaile  
Michael C. Bond  
Beth Marie-Arciprete Comeau  
Sean M. Curtin  
Ramona Daryani  
Kevin M. Dooley  
Stephen N. Fisher  
Shelly L. Hairston-Jones  
David A. Hinkle  
Sanjay B. Jagannath  
Meredith S. Josephs  
Sona Abhyankar Kammula  
Jana L. Kaplan-Fastow  
Sanford R. Katz  
Mitesh B. Kothari  
Charles J. Lancelotta, III  
Katherine L. Layton  
James L. Liszewski  
Edward L. McDaniel  
Charlotte Harward Miller  
John P. Moriarty  
Olayemi O. Osiyemi  
Duke G. Pao  
Theodore Sunao Takata  
Julie L. Tishler  
James Blake Trumble  
Deanna D. Vroman  
Michael Rebert Warner  
Scott K. Winiacki  
Joyce S. Wong

## 1996

Karen L. Beasley  
Maureen G. Burdett  
Brian M. Cantor  
Eric J. Carr  
Neeraj Chopra  
Joy Lynn Collins  
Robert F. Corder  
Marcia Antoinette Cort  
Teresa M. Cox  
Mary E. Craig-Buckholtz  
Robert J. Dausch  
Donna O. Donoghue

Stacy Dara Gittleston-Fisher  
Thomas A. Hensing  
Deborah S. Hopkins  
Udai S. Kammula  
Jun W. Kim  
Claudia C. Krasnoff  
Scott E. LaBorwit  
Philip S. Lim  
Louis B. Malinow  
Bahador Momeni  
Christopher P. Moore  
Beth Hogans Murinson  
Jay B. Penafiel  
Anthony B. Quinn  
Kenneth Sibila  
Jon E. Simon  
Andrew L. Smock  
Aaron R. Twigg  
Santosh J. Vetticaden  
Doyle A. Yeager

## 1997

Melinda Battaile  
Michael C. Bond  
Beth Marie-Arciprete Comeau  
Sean M. Curtin  
Ramona Daryani  
Kevin M. Dooley  
Stephen N. Fisher  
Shelly L. Hairston-Jones  
David A. Hinkle  
Sanjay B. Jagannath  
Meredith S. Josephs  
Sona Abhyankar Kammula  
Jana L. Kaplan-Fastow  
Sanford R. Katz  
Mitesh B. Kothari  
Charles J. Lancelotta, III  
Katherine L. Layton  
James L. Liszewski  
Edward L. McDaniel  
Charlotte Harward Miller  
John P. Moriarty  
Olayemi O. Osiyemi  
Duke G. Pao  
Theodore Sunao Takata  
Julie L. Tishler  
James Blake Trumble  
Deanna D. Vroman  
Michael Rebert Warner  
Scott K. Winiacki  
Joyce S. Wong

## 1998

Karen L. Beasley  
Maureen G. Burdett  
Brian M. Cantor  
Eric J. Carr  
Neeraj Chopra  
Joy Lynn Collins  
Robert F. Corder  
Marcia Antoinette Cort  
Teresa M. Cox  
Mary E. Craig-Buckholtz  
Robert J. Dausch  
Donna O. Donoghue

Christine A. Eagleson  
Charles C. Edwards, II  
Vicki E. Ellis  
Michael E. Franks  
Ellie P. Goldbloom  
Carol S. Goundry  
Jessica E. Grubb  
Joseph M. Herman  
Janet Y. Higgins  
C. Brett Hofmann  
Julie A. Hurlock  
Allison A. Jensen  
F. Thomas D. Kaplan  
Paul J. King  
Bryan R. Klepper  
Sara B. Levin  
Chimene L. Liburd  
Luis E. Llerena  
David Louis Mandell  
Anne L. Martello  
Mary B. Martello  
Lisa N. Miller  
Robyn M. Miller  
Monica D. Sarang  
Stephanie D. Silverman  
Angela D. Smedley  
Brenda L. Stokes  
Walter J. Wojcik  
Stefan M. Zechow

## 1999

George V. Antonopoulos  
Denyse R. Bailey  
Jennifer K. Beall  
Laurie Millar Bothwell  
Troy Andre Brijbasi  
Margaret Kelly Burkhead  
Ruwanthi Samaranyake Campano  
Michele L. Campisi  
Regina Clark Abhulimen  
Ronald K. De Venecia  
Kirk W. Foster  
Rachelle N. Gajadhar  
Matthew J. Gerber  
Heidi Ginter  
Melissa L. Hawkins-Holt  
Matthew R. Howie  
Risa Weiner Huber  
Rachel V. Kramer  
Sapna P. Kuehl  
Hubert S. Lin  
Lee A. Maddox  
Thomas E. Maslen  
Edward C. McCarron  
Brian D. Newcomb  
Barbara A. Piasecki  
Victoria C. Pierce  
Elizabeth Reece  
G. Anthony Reina Jr.  
Darlene Y. Robinson  
Julie A. Slick  
Debbie P. Spencer  
Elisa Rodriguez Trowbridge  
Nicholas J. Vietri  
Barbara M. Walker

## The Honor Roll

Jane Wang  
Jay Steven Weiner  
Ed G. Ziedins

## 1998

Paul E. Anderson  
John T. Antoniadis  
Brendan C. Berry  
Percy Boateng  
Rachelle Grace Carandal Greist  
Herlene Chatha  
David Chiu  
John M. Cox  
Jacqueline A. Corrigan-Curay  
Jonathan E. Davis  
Elizabeth D. Feldman  
Anuj Gupta  
Thomas J. Kenney III  
Erika S. Kenney  
Lisa S. LaBorwit  
Jennifer C. Logan  
Aneel Mandava  
Melinda A. Mantello  
Joseph P. Martinez  
Margaret E. McCusker  
Otha Myles  
Megan O'Brien  
Rajesh M. Prabhu  
Adebowale Prest  
Karen R. Raksis  
Kevin C. Reed  
Rachel Exelbert Schreiber  
Lisa M. Sloat  
Tin A. Way  
Shannon J. Winakur

## 1999

Humphrey O. Atiemo  
Seth M. Cohen  
Leslie T. Emmert-Buck  
Shawn A. Flanagan  
Robert D. Flint Jr.  
Thomas D. Horst  
Douglas A. Jacobstein  
Jennifer S. Landy  
Susan S. McLaughlin  
James L. Medina  
Thuy D. Ngo  
Maurice N. Reid  
Stacey G. Robert  
Anne E. Rothman  
Mark G. Saba  
Lisa M. Soule  
Mallory Williams  
Stephen T. Woods  
Shahid A. Zaidi  
Alla Zilberman

## 2000

Leslie M. Belloso  
Morgen J. Bernius  
Tammy Lipman Burgunder  
John E. Caccamese, Jr.  
Esther E. Elliott  
Amy R. Evenson  
Stacy D. Garrett-Ray

Kristine M. Griffin  
Riple J. Hansalia  
Sharon E. Henderson  
Gerard J. Hogan  
Daniel L. Lemkin  
Robert A. Lenz  
Melissa K. Levine  
Nancy M. McGreal  
Claudia U. Pfeil  
Cicely M. Pickett  
Milad L. Pooran  
Joanne DeAussen Saxour  
Debra L. Schwab  
Matthew D. Sedgley  
Kerry R. Shaab  
Rivka Y. Stein  
Bradley J. Wasserman  
Katherine N. Wex  
Jianping Yang  
Michael Yim  
Thomas Chizen Yu

## 2001

Adebisi M. Ajala  
Charles R. Albrecht III  
Allison W. Brindle  
Christopher W. Calabria  
Rajwinder S. Deu  
Etosha D. Dixon  
Darren R. Feldman  
Joshua S. Forman  
Joseph G. Hobelmann  
Vladimir Ioffe  
Elizabeth P. Ives  
Salma K. Jabbour  
Jakub Kahl  
Nandita T. Kinley  
Eric O. Klineberg  
Teresa I. Kulie  
Barton F. Lane  
Richard A. Mackey, Jr.  
Suneel N. Nagda  
Robert I. Pargament  
Chinh N. Pham  
Igor M. Poltinnikov  
Joshua Z. Rosenthal  
Eileen K. Steinberger  
Kathy J. Weishaar

## 2002

Jill B. Barkdull  
Karen L. Bauer  
Ron K. Brathwaite  
Jenna H. Choi  
Brian N. Corwell  
Jennifer B. Cox  
Melissa L. DeLong  
Apurva Desai  
Eve Fields  
Katherine A. Gallagher  
Kendall K. Garing  
Erin P. Gibbons  
Steven B. Ingle  
Parham Jaber  
Jennifer C. Janus  
Daniel R. Kauffman



# honor roll 2017

## The Honor Roll

Matthew R. Keysor  
Roderick B. Kreisberg  
Peter Michael Kuehl  
Matthew D. Kwan  
Eugenia C. Robertson  
Francis M. Segreti  
Matthew A. Smith  
Andrew I. Stolbach  
David J. Wang

### 2003

Jared R. Berkowitz  
Stephanie Y. Borum  
Calvin Y. Choi  
Thomas C. Dean  
Julia I. Flukinger  
Warren J. Gasper  
Sharla R. Hart  
Bridget A. Hilliard  
Jeffrey Todd Hobelmann  
Nathaniel L. Holzman  
Erica N. Johnson  
Meredith A. Johnston  
Sachin D. Kalyani  
Hilary Koprowski, II  
Sarah A. Kremen  
Ryan G. Miyamoto  
Vikram V. Nayar  
Matthew L. Ortman  
Abbe J. Penziner-Bokde  
Courtney B. Rosenthal  
Jerome P. Schartman  
Stacey L. Seidel  
Jinsil K. Sung  
Karen M. Sutton  
Richard A. Tempel  
Jennifer Taylor Thibodeau  
Ann G. Tseng  
Tasios G. Vakkas  
Judy K. Wang  
Mark H. Wernick

### 2004

Michael A. Abramson  
Robert G. Davidson  
Richard Ericson  
Anis R. Frayha  
Manjula V. Gunawardane  
Robert J. Habicht  
Elizabeth Chase Hall  
Christine Hayes Wu  
Allison Kessler Hobelmann  
Christopher R. Hydorn  
Stephen Y. Liang  
Stephany McGann  
Michael E. Perraut  
Marek Polomsky  
Kathryn S. Robinett  
Jonathan S. Rogers  
Amy S. Rogstad  
Ryan S. Shugarman

Melanie N. Smith  
Jordan H. Wolff  
Willis M. Wu

### 2005

Alexandra D. Bentley  
Michael R. Boivin  
Natalie M. Branagan  
June F. Cheng  
Timothy J. Decapite  
Michelle A. Folsom Elder  
Christopher K. Grybauskas  
Keri N. Jacobs  
Roland M. Jermyn  
Benjamin L. Laskin  
Janelle M. Martin  
Nora C. Meenaghan  
Kimberly Kesler O'Rourke  
Marissa J. Perman-Laskin  
Pulak Ray  
Daniela B. Smith  
Holly E. Spanier  
Regina F. Wong

### 2006

James E. Baronas  
Brenda L. Bartlett Pellicane  
Nadia N. Chaudhri  
Tara E. Cook  
Jennifer M. Coughlin  
Ashley W. Davidson  
Brian J. DelliGatti  
Mark C. Domanski  
Laurence M. Edelman  
Rachel J. Ellsworth  
Neda Frayha  
Katherine R. Goetzinger  
Andrew L. Heath  
James C. Johnston  
Leah C. Jones  
Cathleen Sybert Khandelwal  
Daniela Morato King  
Jonathan C. King  
Regina A. Macatangay  
Jeffrey T. Mason  
Jesse B. Mez  
Timothy T. Owolabi  
Sandra M. Quezada  
Norman F. Retener  
Erica M. Richards  
Kristin C. Roussillon  
Mark S. Schneyer  
Michael C. Weisburger

### 2007

Megan Niziol Alcock  
Lara P. Bonner Millar  
Connie H. Chan  
Timothy P. Chizmar  
Sara E. Clark  
Laticia K. Cook  
Ryan H. Fitzgerald  
Michelle C. Forman  
Kathryn L. Gloyer  
Joshua D. Holyoak

Kathryn A. Karges  
Elisa J. Knutsen  
Amanda M. Kramer  
Bradley R. Kramer  
Elizabeth M. Lamos  
Adriana J. Laser  
Benjamin S. Laser  
Elizabeth M. Lee  
Susan M. Mabrouk  
Thomas J. Merkle  
Tania R. Peters  
Christina S. Polyak  
Selina N. Read  
Jared W. Reaves  
Cedric C. Regelin  
Brandon N. Reynolds  
Mark S. Shimko  
Troy M. Sofinowski  
Jennifer C. Sri  
Yu-Feng Sun  
Theodore J. Sung  
Claudia H. Viens  
Roger D. W  
Catherine S. Zorc

### 2008

Preetha Ali  
Jodi K. Bond  
Eric J. Buchner  
David J. Carlberg  
Sarah A. Eby  
Ruth E. Gardner  
Nadine T. Himelfarb  
Elizabeth L. Kochman  
George C. Kochman  
Jennie Y. Law  
Daniel M. Lerman  
Michelle M. Levender  
Elizabeth A. Martin  
Leah C. Jones  
Maria Mainolfi Palarata  
Brian G. Rosenberg  
Vanessa Shanks  
Laura N. Silverstein  
Gregory A. Small  
Amanda L. Stevens  
Christian C. Wright  
Joseph L. Yeh  
Andrew J. Young

### 2009

Darren J. Andrade  
Narlin B. Beaty  
Philip Brazio  
Amy Tracy Byrd  
Kevin P. Carter  
Cassidy W. Claassen  
Elizabeth K. Clayton  
Andrew H. Ditto  
John A. Douglas  
Lindsay B. Goicochea  
Cullen K. Griffith  
J. Daniel Hess  
William W. Ide  
Judith E. Kopinski

Shavonne L. Massey  
Meghan D. Morrow  
Kelly J. Norsworthy  
Jason S. O'Grady  
Lesley Wojcik Raphael  
Kristin Powell Reavis  
Tianbo Ren  
Heather Ridinger  
Zachary J. Roberts  
Thomas J. Santiago  
Kathleen A. Sterling  
Semhar Z. Tewelde  
Ethan M. Weinberg

### 2010

Syed S. Akhtar  
Mariam H. Ayub  
Jamil J. Bashir  
Regina B. Bray  
Paulina Gorney Brown  
Richard C. Bryson  
Rebecca Carter  
Sarah Dubbs  
Sara Edeiken  
Niloofer Ghassemzadeh  
Nidhi Goel  
David C. Griffith  
David J. Halpin  
Kyle M. Hatten  
Aaron G. Ilano  
Daniel Kang  
Nicholas A. Kessides  
Daniel H. MacArthur  
Horatiu Muresan  
Fernanda Porto Carreiro  
Jeffrey F. Rasmussen  
Sanam D. Razeghi  
Thomas E. Reznik  
Donald F. Slack  
Michelle A. Melo  
Oliver O. Tannous  
Bryon W. Tseng  
Alison F. Ward

### 2011

Lindsay F. Appel  
Katherine M. Bever  
Christina M. Boyd  
Michael B. Chang  
Consuelo David  
Oumou T. Diallo  
Daniel Fleksher  
Meghan E. Geraghty  
Jamie L. Goldberg  
Evan K. Harrison  
Barbara E. Kahn  
Jeffrey E. Keenan  
Elizabeth L. Kenez  
Nancy A. Lentz  
Jolinta Y. Lin  
Samuel F. Livingston, II  
Peter H. MacArthur  
Heather M. Mezzadra  
Caleb E. Nannes  
Thao P. Nguyen  
Brian C. Phillips

Diane Claire Pressman  
Adam J. Setren  
Talia Shorr  
Michael Shteyman  
Allison J. Siegel  
Kathleen S. Stephanos

### 2012

John R. Bergquist  
Claire A. Cunniff  
Janna Becker Davis  
Katherine E. Duncan  
Jessica R. Durkee-Shock  
Lindsay Goodstein  
Patricia F. Groleau  
Andrew C. Judd  
Jordan Ambrose Margo  
Brian E. Miller  
Lindsay H. Morrell  
Latasha N. Murphy  
Adriana Naim  
Brian P. Neuman  
Maxim D. Orlov  
Hemal N. Sampat  
Kristen E. Schratz  
Anupamaa J. Seshadri  
Khola S. Tahir  
Samuel S. Travis  
Alison P. Williams La Badie  
Heon Soo Yi

### 2013

Jason L. Blevins  
Michael N. Brodeur  
Sara W. Coulbourn  
Stephen Orion Courtin  
Leah A. Couture  
Elizabeth A. Donahoo  
Lauren E. Drake  
Danielle E. Goodrich  
Ravindra Gopaul  
Kathleen A. Gorman  
Rebecca Stein Harvey  
Renee A. Henderson  
John M. Hornick  
Erin K. Knepp  
David A. Lapidis  
Megan Lee  
Skyler A. Lentz  
Christopher W. McMullen  
Adam K. Meeks  
Julia Sarsfield Merti  
Andrew D. Newton  
Jenna B. Noveau  
Ian M. Oppenheim  
Catherine E. Sharoky  
Laura M. Bomze  
Katherine R. Still  
Rebecca A. Switzer  
Andrew J. Wright

### 2014

Daniel Ahmad  
Daniel Ambinder  
Brian Bates

Tara Chadwick  
Sona Chaudhry  
Jared S. Cohen  
Charles Randall Cooper  
Nizar Dowla  
Danielle Glick  
Meredith Goodloe  
Brian L. Heiss  
Sarah K. Kleist  
David E. Knipp  
Heather Lillemoe  
Paige Luneburg  
Joseph Mechak  
Sreela S. Nambodiri  
Andrew Schuldenfrei  
Berje Shammassian  
Shauna Sheppard  
Laurel Slongwhite  
Akina Tamaki  
Jarid A. Tareen  
Julie Taylor Schultz  
Milly Turakhia

### 2015

Jonah E. Abraham  
Lydia Barlow  
Stephen T. Biederman  
Harsh Desai  
Andrew Dubina  
Meagan Dunne  
Kriti Gandhi  
Andrew K. Gold  
Matthew J. Grant  
Daniel J. Helman  
Baijia Jiang  
Ariana Khaladj-Ghom  
Julianne M. Lapsa  
Gregory M. Lessans  
Ann Miller  
Meaghan C. Moxley  
Kenneth R. Nugent  
Timothy N. Phelps  
Meaghan M. Phipps  
Aurora D. Rivendale  
Micaela K. Robb-McGrath  
Alexis Salerno  
Benjamin Schultz  
Ari B. Seifter  
Alexander Skog  
Sarah E. Skog  
Alexandra Gangler Wright

### 2016

Rochelle L. Arbuah  
Tara M. Barry  
Kirsten LoGrande Beeson  
Laura M. Bomze  
Nicole E. Bouchard  
Haoxing Chen  
Kevin Chun  
Andrew Delapenha  
Anna B. Gitterman  
Miranda R. Gordon-Zigel  
Caroline E. Gorn  
Andrew N. Hanna

## The Honor Roll

Gregory L. Iannuzzi  
Christian P. Larsen  
Emily Tyler Maxwell  
Jessica E. Medani  
Christina Morris-Berry  
Samuel F. Oliver  
Kevin W. O'Malley  
Bennett A. Peterson  
Edgar A. Petras  
Jeanine Paulette Reyes  
Maria Rosario Rittenbach  
Laura E. Segars  
Tanner A. Slayden  
Rachel L. Troch  
Jessica L. Ullman  
Kimberly M.R. White  
Katherine J. Williams

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memory of the following:**  
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Jeffrey Dodds, MD  
Lilly & Walter Elson  
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Jose Fuentes, '78  
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Rabbi Sidney Shoham  
Bernice Sigman, '60  
Robert T. Singleton, '53  
Aaron C. Sollod, '32  
Yeung Tam  
T.C. & Margaret Tso  
George Vash, MD  
Walter Weintraub, MD  
Anita Wolf  
Theodore E. Woodward, '38



# Leading With the Heart



AS A JOHNS HOPKINS undergraduate focused on research in the biosciences and the function of cell receptors, **Paul A. Gurbel, '83**, considered attending several of the country's top medical schools. However, it was his father's personal experience and persuasive argument that Maryland was among the best in the country that sealed his decision. Today, the world-renowned cardiologist who has performed more than 15,000 percutaneous cardiac and peripheral procedures, says his father's guidance was completely on target. "Dad convinced me that Maryland had an incredible foundation in basic science as well as excellence in the clinical arena," Gurbel says. "He was absolutely right."

The Baltimore native and graduate of Loyola Blakefield is an interventional cardiologist with a busy outpatient practice at Inova Cardiology Baltimore in Lutherville. There he evaluates patients with challenging cardiovascular problems who travel locally, nationally, and internationally to seek his care. "Many of the patients in our practice have been given up on elsewhere," he says.

Gurbel specializes in the catheter-based treatment of patients with complex coronary artery disease, performing procedures at Sinai Hospital and the University of Maryland St. Joseph Medical Center in Baltimore as well as the Inova Heart and Vascular Center in Falls Church, Virginia. His other enduring passion is platelet research; for that he is known as "clot buster." For more than 20 years, his research has focused on defining the effects of antiplatelet agents and antiplatelet agent development, and understanding the relationship of plate-

let reactivity to ischemic event occurrence in patients undergoing coronary stenting.

Gurbel is director of the Inova Center for Thrombosis Research and Drug Development and director of interventional cardiology and cardiovascular medicine research for the Inova Health System. He also has appointments as professor of medicine, division of cardiology, at Johns Hopkins University, and as adjunct professor of medicine, division of cardiology, at Duke University.

In 2016, Gurbel was awarded an honorary doctorate from Poland's Nicholas Copernicus University for his accomplishments as an interventional cardiologist whose contributions to cardiovascular research resulted in breakthroughs in clinical pharmacology that influenced changes in global practice guidelines.

In reflecting on his career, Gurbel credits Maryland's extraordinary teachers including the late **Theodore Woodward, '38**, who stimulated his interest in internal medicine, and the late **Robert Singleton, '53**, director of Maryland's cardiac catheterization laboratory who performed the first coronary angioplasty in Baltimore. "I was lucky enough to be the senior student on that case. Dr Singleton was my dear friend and mentor. His gentle bedside manner,

nerves of steel, and questioning mind were all great inspirations to me in so many ways," he said.

Following medical school, Gurbel completed an internship and residency in internal medicine at Duke. He then did a fellowship in pulmonary and critical care at Hopkins and returned to Duke to be the chief resident in medicine and complete fellowships in cardiovascular disease and interventional cardiology. It was there that he first began working with clot-busting drugs and was mentored by Dr. Joseph Greenfield, the world-renowned coronary physiologist, who had the greatest influence on his career path. "During that time Dr. Greenfield was leading a cardiology division conducting landmark research in the treatment of myocardial infarction. He was a visionary."

Gurbel became focused on the re-clotting process, and began studying drugs that prevented platelets from aggregating by blocking various receptors on their surface. "It was such an exciting time. We were particularly interested in seeing what these drugs did to platelets over time after the heart was reperfused." The results of his team's research on one major antiplatelet drug that blocked a receptor called P2Y12 was submitted to the FDA and played a major role in its approval.

With strong ties to Maryland, Gurbel returned in 1990 to start the interventional cardiology fellowship program and was appointed director of interventional cardiology research. His first major breakthrough occurred when he developed an experimental model of myocardial infarction with the assistance of **Ms. Helen Scott**, director of the research laboratory. With the model they conducted investigations of methods to dissolve coronary arterial clot, including the study of clot dissolving drugs, and observed resultant arterial blood reflow. His team examined precisely what happens in real time to platelets during reperfusion of the heart. Their discovery that platelets become aggregable after the coronary artery was opened served as the rationale to use anti-platelet drugs to prevent the re-clotting process. They also looked at how pressure in the aorta affected the speed of reperfusion. The results of that study were published in 1994 in *Circulation*, the main journal of the American Heart Association (AHA).

Later, Gurbel became the first to show that the drug clopidogrel (Plavix), the second most prescribed anti-platelet drug after aspirin, was effective in only 70 percent of patients undergoing coronary artery stent placement. "It was challenging to publish a study demonstrating that the second largest selling drug in the world at the time was pharmacodynamically

ineffective for more than 30 percent of patients," he says. "The data were eventually published in *Circulation* in 2003."

The clinical relevance of the laboratory findings of clopidogrel resistance was demonstrated in subsequent studies by Gurbel and his team showing that patients undergoing stenting who were resistant had higher rates of heart attack. This important translational research finding motivated the development of agents to overcome the limitations of clopidogrel, and among these agents was ticagrelor (Brilinta). Gurbel's laboratory conducted the pivotal studies that conclusively demonstrated that ticagrelor had a superior antiplatelet effect compared to clopidogrel. These studies were important in the FDA's decision to approve ticagrelor for the treatment of heart attack and for the recommendations of the AHA to use the drug in favor of clopidogrel.

Gurbel and his laboratory founded the field of personalized antiplatelet therapy. The findings of his laboratory have been validated in subsequent studies of thousands of patients conducted by investigators around the world. In addition, he and his team were among the first to demonstrate that genetic mutations also influence the efficacy of clopidogrel. Inova now uses his findings in their cardiac catheterization laboratory to personalize the antiplatelet therapy of their patients who may need coronary stents with rapid bedside genetic testing that provides results in one hour.

Such groundbreaking investigations underline Gurbel's leadership in translational thrombosis research in patients with cardiovascular disease. His studies have altered treatment guidelines of the AHA and the European Society of Cardiology. His research in interventional cardiology also includes the field of catheter development where he invented an autoperfusion catheter used in the treatment of patients with coronary artery disease.

Gurbel chairs and lectures at interventional cardiology meetings in Europe, Asia, and America. He reviews for the major medical and cardiovascular journals, and serves on editorial boards. The NIH has supported his research. He has taught and mentored students, residents, fellows, and post-docs his entire professional life who have come to his thrombosis laboratory from around the world. His concepts and research have been published in more than 1,000 abstracts, manuscripts, monographs, books, and book chapters, and he has authored more than 400 articles in the peer-reviewed literature. 🏠

Gurbel and his laboratory founded the field of personalized antiplatelet therapy.



## Scholarship Repays Tremendous Debt of Gratitude

Sometimes it really is the thought that counts. When **Reynold M. Karr, Jr., '69**, began thinking about giving back to an institution that had given him so much, he says it was a no-brainer choosing his medical school alma mater as the beneficiary.

"It prepared me well for a long, gratifying career in medicine that continues to this day," says Karr, a rheumatology, allergy, and immunology specialist practicing in Seattle. "Although I have received training from, and have enjoyed affiliations with, a number of excellent academic institutions throughout my career, the University of Maryland arguably had the most influence on my life and personal development, by providing me with the opportunity and training to become a physician."

In March, Karr, along with wife Janet decided to translate their words into deeds by making a \$100,000 donation to

who was a medical student at Maryland lured him back to Charm City to pursue his medical degree.

"The University of Maryland had a fine reputation and I knew it would be a good fit. And it was," recalls Karr, adding that his classmates called him "Rennie" back then. "I have many fond memories of my student colleagues and teachers, and indeed, my whole life experience during those engaging four years of medical school."

Although the Karrs were agreed on where the money would go, Karr admits they weren't immediately certain what to do with their gift. A personal visit from medical school dean **E. Albert Reece, MD, PhD, MBA**, and several develop-

ment staff members on a west coast tour, helped the Karrs to focus their efforts.

"After speaking with Dean Reece, we learned that one of

the biggest needs at Maryland is financial support for students," says Karr.

Karr recalls that although he did not need a scholarship to attend medical school, it didn't take him long to appreciate the challenges that today's students face. "Student debt these days is an enormous burden," he says.

Average student indebtedness for Maryland graduates now exceeds \$150,000, which not only influences a student's career choices, it also undermines the ability of schools like Maryland to attract students from all economic populations.

Janet, a registered nurse who met her husband after he had completed his medical training, says she appreciates the




Janet and Reynold M. Karr, Jr., '69

importance of funding a scholarship for medical students.

"I have a lot of respect for doctors and what it takes to become a doctor; my father was a pediatrician," she says. "We wanted to make the biggest impact with our donation and help where we perceived the biggest need exists."

She adds that the couple hopes their efforts will also inspire others to make a similar gesture. "We encourage all alumni, especially those who are near or post-retirement, to be generous and make a charitable contribution to support a scholarship endowment," she says. "Please set Maryland on top of your yearly giving priority list in recognition of its impact on your career and life."

### Join the Karrs in Making Dreams Possible

We invite you to join Maryland's *Making Dreams Possible* scholarship campaign. For more information about making a gift to create your legacy through a named scholarship, or to support our general scholarship fund, contact Marjorie Bray at 410-706-0418 or [mbray@som.umaryland.edu](mailto:mbray@som.umaryland.edu). 

Average student indebtedness for Maryland graduates now exceeds \$150,000, which not only influences a student's career choices, it also undermines the ability of schools like Maryland to attract students from all economic populations.

establish the Janet M. and Reynold M. Karr, M.D. '69 Scholarship, an endowed fund to benefit medical students.

"I have much for which to be thankful and feel an enormous debt of gratitude to Maryland," says Karr, who grew up on Long Island and was introduced to Baltimore when he attended Johns Hopkins University as an undergrad. "I have nothing but warm and positive feelings about Maryland and I wanted to give back, to make a difference."

Karr didn't immediately set out to become a doctor. After leaving Hopkins with a bachelor's degree, he moved back to New York for a year, trying his hand at several jobs. Eventually a friend

## What to Do When Your Wallet Goes Missing

IF YOU'VE NEVER LOST YOUR WALLET—or worse, had it stolen—then count yourself lucky.


Discovering that your wallet or purse has gone missing can spark panic among even the calmest people. After all, your wallet likely holds a treasure trove of cash, debit cards, credit cards, personal identification, health insurance cards, and more than a few loyalty cards. Now, you don't know who has access to your personal information and potentially your money.

It can be hard to pause and focus on what steps to take to protect yourself when you feel as if you've just lost everything you need. If this happens to you, keep calm and start making phone calls. Below are eight steps to follow, plus two ways to reduce the stress before you ever lose anything. Keep a list of dates and names of individuals with whom you have spoken:

- Determine where, what and when** – Identify approximately where and when you lost your wallet. Start a list of everything that was in it so you know what companies or agencies you need to contact.
- File a police report** – As soon as you know your wallet is officially lost and not just hiding in a couch cushion, call the police to establish a record of your loss, which could come in handy if you become a victim of fraudulent purchases.
- Contact your bank** – Call your bank as soon as possible to cancel your debit and/or credit card and get a new one. Many PNC branches can print a new debit card for you on the spot so you don't have to go without access to money. If your checkbook was in your wallet, make sure to let your bank know.
- Call other credit card issuers** – Ask to cancel your cards and have new ones sent right away. You may need to verify a few recent transactions so the issuer can assess whether your card was used after you lost it.
- Notify your insurance companies** – Most people carry their auto insurance and medical insurance cards, but often forget to notify the companies of a lost card. Notifying the insurance companies right away can help protect you if someone tries to file a claim or use your benefits.
- Cancel rewards accounts** – If you rack up rewards points, make sure to cancel or transfer your accounts to prevent your hard-earned rewards from disappearing, like your wallet.
- Set up fraud alerts** – Contact the three major credit reporting agencies (Experian, Equifax and TransUnion) to have a fraud alert established on your file. This means that if

anyone applies for credit in your name in the next 90 days, the creditors will contact you to verify your identity before granting any new credit applications.

8. **Check your keys** – If you had an extra house key in your wallet, be sure to change your locks. Even if your wallet turns up somewhere, someone could have made a copy of your key—and if your driver's license or other personal identification was in your wallet, they know where you live.

Once you've replaced what you can, it's time to prepare in case you lose your wallet again. Clean it out periodically and replace only what you absolutely need to carry on a daily basis. Then, make a list of everything you carry, along with phone numbers for each company, and keep the list in a safe place. That way, if you lose your wallet again, you know whom to call. 

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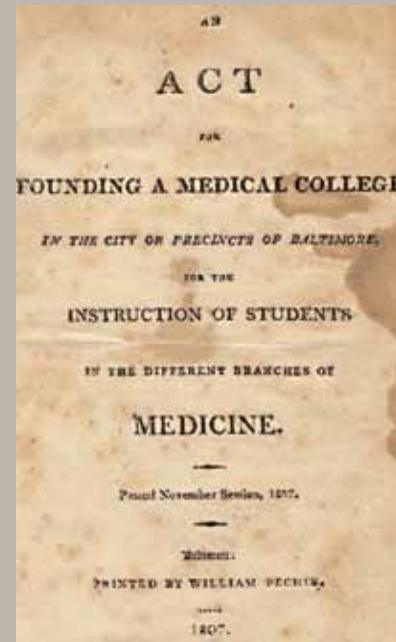


This column is prepared by Lisa H. R. Hayes, CPA, a Senior Wealth Strategist and Senior Vice President at PNC Wealth Management®. Hayes provides wealth planning services and can be reached at 410.237.5834 or [lisa.hayes@pnc.com](mailto:lisa.hayes@pnc.com)



## 210 Years Ago

On December 18, 1807, the Maryland General Assembly approved a bill establishing the College of Medicine of Maryland. Ten days later its founders met to elect **Dr. George Brown** president and appoint him to the professorship of practice and theory of medicine. He immediately resigned his professorship and on his motion, **Dr. Nathaniel Potter** was elected as his replacement. **Drs. John Davidge** and **James Cocke** were appointed to the joint professorship of anatomy, surgery and physiology; **Dr. John Shaw** to the professorship of chemistry; **Dr. Thomas E. Bond** to the professorship of materia medica; and **Dr. William Donaldson** to the professorship of the institutes of medicine. The school would be rechartered in 1812 as the University of Maryland.



## 155 Years Ago



In 1862, **William Alexander Hammond, MD**, professor of anatomy and physiology at Maryland, was named surgeon general of the U.S. Army, a post he held until 1864. Hammond organized a system for evacuating wounded soldiers from the field of battle and developed a military hospital and medical system—the first in the world. In addition, his methods of maintaining military records, reports, and compiling data was hailed as an enormous contribution to medical science. Hammond is credited with establishing the Army Medical Museum, later renamed the Armed Forces Institute of Pathology.



## 50 Years Ago

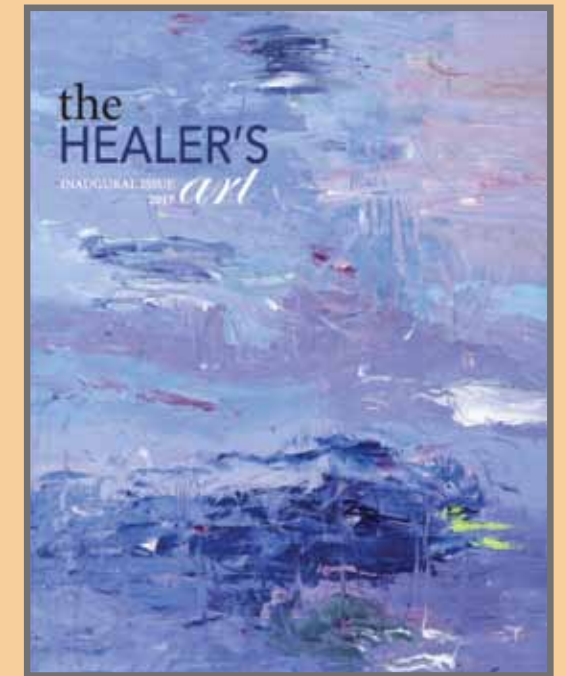
In 1967, **Colonel James B. Nuttall**, class of 1939, was named director of the U.S. Air Force School of Aerospace Medicine, located in San Antonio, Texas.

## Class Stats

### Class of '21 by the Numbers

The first-year class of 2021 consists of 160 students who attended 61 different undergraduate institutions. Their ages range from 21 to 29 and they have an average MCAT score of 512 with an overall grade point average of 3.81. Again this year—as has been the case every year since the class of 1996—the class is predominantly female. Below are additional figures:

|  |       |
|--|-------|
| Total Applications to Maryland             | 4,837 |
| Number of Applicants Interviewed           | 598   |
| Acceptances Offered                        | 321   |
| Class Size                                 | 160   |
| Percentages of Males/Females               | 41/59 |
| Percentages of Residents/Non-Residents     | 72/28 |
| Percentage of Underrepresented in Medicine | 12    |
| Age Range                                  | 21-29 |
| Number of Undergraduate Institutions       | 61    |
| Average Science Grade Point Average        | 3.77  |
| Average Overall Grade Point Average        | 3.81  |
| Average MCAT Score Old                     | 32    |
| Average MCAT Score New                     | 512   |
| MD/PhD Entrants                            | 7     |
| MD/Master's Program Entrants               | 3     |



### The Healer's Art

The inaugural issue of *the Healer's Art*, a collection of student and faculty creative expressions, was published in August. Underwritten in part by the Medical Alumni Association, the publication consists of 46 student- and faculty-inspired submissions assembled by the medical school student organization Creative HeArts. In addition to the publication, second-year co-chairs **Zahur Fatima Sallman** and **Michael Sikorski** have organized a series of events to promote the arts among the medical school community. The publication can be purchased for \$15 through the office of student affairs.

### Lerner, '20, Competes in Lacrosse World Cup

Second-year student **Megan Lerner** was a starting defender for Team Israel during the 2017 Women's Lacrosse World Cup in London this past summer. Lerner, who earned her undergraduate degree and played four years at Stanford University, is a dual citizen. After four wins in divisional pool play, Israel beat Japan in the championship division play-in game, but was beaten by Team USA in the quarterfinals. Lerner is the daughter of **Brad D. Lerner, '84**.





# classnotes

**1940s** **1941: Harry Cohen** of Naples, Fla., is looking forward to his 100th birthday on January 18, 2018. **1947: Jose G. Valderas** of Keller, Tex., is doing well and recently celebrated his 91st birthday. **1948: John R. Shell** of Madison, Mo., lives at St. Catherine's Retirement Village and makes bookmobile rounds to residents in the dependent unit.

**1950s** **1950: Miriam Daly** is living in a retirement community in Chelsea, Mich. She participates in exercise classes six days a week, a creative writing class twice a month, as well as other social activities. **Henry H. Startzman Jr.**, of Baltimore reports that he is not getting around as much now at age 92. He recently enjoyed the wedding of a grandson as well as the birth of his fourth great grandchild. **1951: Benjamin D. Gordon** of Rockville, Md., recently attended his 70th reunion at Amherst College in Massachusetts. **1953: Rafael Longo-Cordero** and wife Idalina of San Juan, P.R., continue to spend six

months in Newnan, Ga. **1955: Donald H. Dembo** of Baltimore continues to teach. This follows a career as chief of cardiology at Maryland General, Good Samaritan, and Sinai Hospitals. Dembo was president of the Baltimore City Medical Society and MedChi, as well as governor for the Maryland chapter of the American College of Cardiology. He formally retired from Johns Hopkins in 2010. **1956: Richard Belgrad** is enjoying retirement in Montana outside of Bozeman on a small ranch in the foothills of the Rockies. **Richard L. Plumb** of Houston continues to recover from a series of ailments. **Charles A. Sanislow** of Midland, Mich., reports that his vascular lab remains a part of his active life, and his first grandchild Addison was married in July 2016. **Virginia T. Sherr** of Southampton, Pa., plans to retire in 2018. **1958: William J. Hicken** of Timonium, Md., is in his 52nd year of active practice in the department of pathology at St. Agnes Hospital. **Richard Keller** of Salt Lake City continues recalling memories of

classmates and the mentoring of professors—both were keys to his professional growth. He adds the four years of medical school constituted the core to his medical life as well as his personal development. He thanks all those who were in his life during that wonderful time. **Lewis H. Richmond** of San Antonio is living in a temporary apartment after a tornado wiped out his condominium. He and wife Barbara continue to have fun with their grandchildren. **Charles Silberstein** of Towson, Md., continues working two days each week in the orthopaedic clinic at the Kennedy Krieger Institute seeing all age groups with developmental disabilities. **Jerome Tilles** of San Antonio plans to attend the 60th reunion in spring. **1959: August Daniel King Jr.**, and wife Netta of Annapolis, Md., celebrated their 59th wedding anniversary on September 6.

**1960s** **1960: Jerome Ross** of Pikesville, Md., reports that daughter Jaelyn teaches animation at the Maryland Institute College of Art. **1961: Anthony R. Boccuti** of Towson is a retired colonel in the U.S. Army. **Michael B.A. Oldstone** of La Jolla, Calif., professor and head of the viral-immunobiology laboratory at the Scripps Institute, along with granddaughter Madeleine as a co-author, recently published *Ebola's Curse: 2013-2016 Outbreak in West Africa*. It records in sequence and detective style how the initial outbreak of Ebola from the index case in rural Guinea traveled to Sierra Leone, and the work and fate of those working in the Kenema Government Hospital Isolation Ward. **1963: B. Robert Giangrandi** is happily retired at age 80 with a primary residency in Bradenton, Fla. **Karl Stecher Jr.**, of Arora, Colo., reports that his third and youngest daughter is a first-year medical student at Washington University in St. Louis. **1964: Jonathan D. Tuerk** of Washington, D.C., announces that he is retired, still standing, and reasonably healthy. **1965: William H. Choate** of Annapolis, Md., reports that cousin Carolyn Choate recently completed a breast cancer research fund raiser in memory of late Maryland faculty member **Angela Brodie, PhD**, by kayaking 300 miles from Nashua, New Hampshire, to Baltimore (see *Medicine*

*Bulletin* Volume 102 Number 1). **Philip J. Whelan** of Mechanicsburg, Pa., very much enjoyed the recent class reunion and extends many thanks to those who helped organize it. **1966: Dennis H. Gordon** of Salt Lake City is retired and enjoying the wonderful weather. **Stuart Fine** and wife Ellie continue to divide their time between the Colorado Mountains and winters in Winston-Salem, N.C., Having retired six years ago as chair of Ophthalmology at the University of Pennsylvania, Fine maintains a part-time faculty appointment at the University of Colorado and is engaged in academic activities. This summer the couple hosted classmate **Stuart Yuspa** and wife Elly. Fine reminds classmates that coming up in April, classmate **Gary D. Plotnick** will deliver the 21st Annual Albert J. Himelfarb, M.D. Lecture at Baltimore's Sinai Hospital. This lectureship, endowed by the Fine family, is in honor of Ellie's late father—a 1933 Maryland alumnus. **1967: John W. Gareis** of Lancaster, Pa., reports that he and wife Dolores had a great time at the 50th reunion in spring. **Arthur L. Hughes** continues practicing neurology in Cincinnati and loves it! **Stuart Lessans** of Rockville, Md., reports that twins Matthew and Faye were named to the dean's list at the Charles E. Smith Jewish Day School and are now in 11th grade. Lessans recently celebrated his 75th birthday and has been retired since 2002. Wife Ellen continues to work as a clinical psychologist. **John R. Stephens** of Newport News, Va., reports that son John is showrunner for the Fox television hit *Gotham* now entering its fourth season. **1968: Richard Baum** of Baltimore reports that he has closed his gastroenterology practice and retired. **Todd D. Clopper** of Wellesley Island, N.Y., retired from practice and as president of Northern Radiology Associates. He and wife Ronda split their time between New York and Bonita Springs, Fla. **Stephen L. Hooper** has returned to Maryland (North East) after living in Hawaii for 17 years. **Charles S. Samorodin** of Ruxton, Md., reports that granddaughter Sasha is a veterinary neurosurgeon near Ohio State. **1969: Kathryn Skitarelic** of Morgantown, WVa., is now a Porsche of America High Performance Driving Instructor. In addition to on-track

drivers education with her Porsche club, she volunteers as an in-car coach for the Tire Rack Street Survival course which gives new drivers hands on experience with the handling limits of their vehicles.

**1970s** **1970: Donald H. Hislop** of Annapolis, Md., continues working as an airman medical examiner since retiring from private practice. **1971: Daniel Cohen** and wife Suzanne are living in England six months each year in a cottage in Horringer Cum Ickworth, a country village near Cambridge in East Anglia. Cohen continues to provide consulting service in patient safety, clinical quality, and population health. **1973: Charles G. Elliott** of Salt Lake City received the 2017 American Thoracic Society Public Advisory Roundtable William J. Martin, II Distinguished Achievement Award. It recognizes innovative leadership skills, public service, and passion for patients. Elliott enjoyed recent visits from classmates **John Foreman** and **Louis Harman III**. **1975: Louis Fox** of Dallas retired from his practice of general and bariatric surgery in May. **Kenneth V. Iserson**, professor emeritus of emergency medicine



Kenneth V. Iserson appearing on ABC's 20/20

at the University of Arizona, Tucson, and fellow of the International Federation for Emergency Medicine, appeared on ABC's 20/20 in September doing numerous improvised practices on mannequins. He is author of *Improvised Medicine: Providing Care in Extreme Environments*. **Edward M. Miller** of Baltimore sadly reports that daughter Robin died after a 12-year battle with breast cancer. **L. Edward Perraut Jr.**, of Bethesda, Md., reports that youngest son **Greg** is a first-year medical student at Maryland. Son **Michael**, '04, practices

emergency/internal medicine in St. Mary's County where Perraut is semi-retired working two days per week in his specialty of ophthalmology. **1976: Harry Knipp** and wife Nora of Reisterstown, Md., report that daughter Katy, managing director in the private bank at JP Morgan, has given them their first grandchild, Jake Lingle. They make frequent trips to Miami Beach to spend time with the family. **James E. Mark** of San Antonio, Tex., reports that son Jaron is in his second year of a GYN oncology fellowship at Roswell Park Cancer Center in Buffalo. **Arnold B. Merin** of Tucson, after 37 years in the practice of gastroenterology, is retiring. He and wife Rhea will continue to live in Tucson and enjoy hiking, cycling, photography, and the sweet smell of the desert when it rains. **Robert N. Pyle** of Raleigh reports that his eighth grandchild was born in June. **1977: Beverli S. Goldberg** of Catonsville, Md., gave up her license. She continues to work as a fitness trainer and is in school to become an energy healer. **John P. Miller III**, of Cockeysville, Md., enjoyed reconnecting with classmates at the 40th reunion last April. **Gerald P. Perman** of Chevy Chase, Md., is president-elect of the American Academy of Psychoanalysis and Dynamic Psychiatry. **1979: Bruce R. McCurdy** of Ocean City, Md., reports that he is enjoying retirement and it surprised him that he doesn't miss working.

**1980s** **1980: Geoffrey R. Herald** of Beaver, Pa., has been retired from his general surgery private practice since October 2016 and reports that his golf game is much improved since then. **1981: Carol S. Marshall** of Dixon, Calif., retired from UC Davis in July. **1983: Nancy Ashburn** and husband Charles of Lewes, Del., welcomed their first great-grandchild, Olivia Collette Baker, on July 13. They are enjoying retirement and invite classmates for a visit. **Garry L. Mueller** and wife Dori of Lancaster, Pa., report that they recently welcomed their second and third grandchildren into the family. **1984: Frederick E. Kuhn Jr.**, of Kingsville, Md., reports that daughter Courtney graduated from Maryland's law school in May, and daughter Allison was the leading scorer on the Quinnipiac University lacrosse team. ♦

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**R. Matthew Reveille** of Golden, Colo., is acting chief of GI at the Denver VA. **1985: Ira S. Allen** of Bellevue, Wash., retired from his pathology practice last year and is happily pursuing other interests including volunteering as an assistant in science classrooms at several public schools. He encourages other retired colleagues to do the same, helping to nurture scientists and healthcare professionals of tomorrow. ❖ **Richmond P. Allan** practices pain medicine in Spartanburg, S.C. **1986: Lee Kleiman** and **Laura Tang, '85**, report that daughter **Hannah** will graduate from Maryland in May. **1988: Tracy Burgess** of Anacortes, Wash., is doing locums hospitalist work around the state. **1989: Jean M. Naples** of West Haverstraw, N.Y., is board certified in family medicine and general surgery. ❖ **Glenn Sandler** of Potomac, Md., reports on a recent mini-reunion that included **John** and **Mary Pagan, Arjun Chanmugam, Darryn Band, Mary Deckelman,** and **Geoffrey Rosenthal.**

**1990s: 1994: Alkesh Dahyabhai Patel** of Clarksville, Md., expanded his private practice to include aesthetics such as Botox cosmetic, Juvederm, laser hair removal, wrinkle-reduction skin tightening, and body contouring with SculpSure. **1996: Steven F. Komjathy** is living in Thousand Oaks, Calif., and serving as global medical director, clinical development for autoimmune and inflammation at Amgen. This follows medical missionary work in the Ukraine and recently serving as medical director for clinical development for CNS at Acorda Therapeutics in New York City. **1997: Elizabeth Reece** of Lenoir, N.C., practices pediatrics through a University of North Carolina affiliate. **1998: Paul E. Anderson** and wife Christina of Peachtree City, Ga., recently welcomed the birth of Brooke Sloane.

**2000s: 2001: Darren Feldman** and wife Jennifer Leong of New York City are proud to announce the birth of daughter Esabella Thea on December 26, 2016. **2005: Jennifer Roth Maynard** and husband Keith welcomed Cash Lawrence, their second, on June 15. He joins sister Marley. Maynard is program director for

the primary care sports medicine fellowship at Mayo Clinic Florida. **2006: Tara E. Cook** of Pittsburgh is in her second year of a two-year fellowship in palliative care at the University of Pittsburgh Medical Center, including a master's degree in medical education. **2007: Adriana** and **Benjamin Laser** report that their two children are loving the outdoors since relocating to the Albany, N.Y., area where Adriana is working for Albany Vascular Group and Ben for St. Peter's Radiation Oncology. They are expecting their third in November. **2008: Luke Smart** is completing a combined pediatric hematology/oncology fellowship and adult hematology fellowship at Cincinnati Children's Hospital and the University of Cincinnati. ❖ **Amanda L. Stevens** and husband Scott Weavil of South Lake Tahoe, Calif., announce the birth of Dorothy "Dottie" Annabelle on January 22. **2009: Elizabeth K. Clayton** and husband Brett of Madison, Md., welcomed Vivienne Elizabeth, their second, in late June.

**2010s: 2010: Ijeoma E. Akunyili** of Old Greenwich, Conn., is medical director in an emergency department. She finds it to be very busy and rewarding. ❖ **John M. Haines** of Kennebunk, Maine, reports that he is restarting a residency in radiology at the University of Vermont. **2011: Elizabeth L. Kenez** and husband Noah Katzen of Washington, D.C., welcomed daughter Emily Brianna to the family on November 2, 2016. ❖ **Marie E. Shockley** of Atlanta has joined the OB/GYN staff at Emory University after completing a fel-

## FRONTIERS IN GENOMICS SYMPOSIUM 2017

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lowship in minimally invasive gynecologic surgery. **2012: Jason M. Hostetter** of Baltimore is serving a two-year fellowship at Johns Hopkins University while wife **Brenna Mae Beck** is attending Maryland as a member of the class of 2020. **2014: Brandon Smith** of Baltimore was married to Jason Constantino on April 29. Guests included several members of the class. Smith is a general pediatrics fellow at Johns Hopkins who plans to serve as chief resident in 2018. Constantino is a project leader in the Boston Consulting Group. They live in the Patterson Park neighborhood. ❖ **David Knipp** misses the friendships of classmates as he continues training in Boston. **2015: Caitlin Carnell** and husband Hunter Davis are living in Williamsburg, Va., as Carnell is in year three of her psychiatry residency at VCU as junior chief. 🏠

## Remembered

### Salvatore Raiti, MD and Paul D. Stolley, MD

By Frank Calia, MD, MACP

*Our medical school lost two highly acclaimed former members of our faculty this past summer.*

**Salvatore Raiti, MD**, an internationally respected pediatric endocrinologist, who had a career-long interest in diseases of the pituitary gland especially related to growth hormone deficiency and dwarfism, died July 26, 2017 at the age of 83.

Born in Linguaglossa, Italy, he migrated to Queensland, Australia, as an infant with his family. Having been educated in that country, in 1958, he received his medical degree from the University of Queensland. He subsequently practiced medicine for several years at the Royal Brisbane and Women's Hospital. In 1961, he moved to England to further his post-graduate training in pediatrics at the University of London. This was followed in 1963 by a fellowship in steroid training at the Worcester Foundation in Shrewsbury, Mass. In 1964, Raiti came to Baltimore for a two-year fellowship in pediatric endocrinology at the Johns Hopkins Hospital. Returning to London, he joined the staff at the renowned Great Ormond Street Hospital as a pediatric endocrinologist.

In 1963, the federally funded National Pituitary Agency was first established at Johns Hopkins. The objective of the agency was to collect human pituitary glands from cadavers

and extract growth hormone to be used to treat children with dwarfism. The material was made available to medical centers throughout the country and when efficacious, had significant impact on patients physically and psychologically.

Returning to Baltimore in 1970, Raiti was appointed director of the National Pituitary Agency which had been relocated at the University of Maryland where he also served as chief of pediatric endocrinology. Over the ensuing years, in collaboration with Johns Hopkins, the program was highly successful and remained federally supported. Unfortunately, each pituitary produced very small amounts of hormone used in treatment, requiring injections for four to five years. The need to produce growth hormone synthetically was very apparent for practical reasons and became critical once the danger of prion transmission was understood. In the mid-1980s, hormone synthesis became successful and the agency was no longer required.

Raiti remained a productive and inspiring investigator/teacher until his retirement in 1993. His scholarship extended well beyond medicine. He is survived by wife Emilia, two sons, and one granddaughter.

**Paul Stolley, MD**, a widely respected clinician, mentor, investigator, and public health authority, died August 4, 2017 at the age of 80.

He grew up and was educated in New York State, awarded a scholarship to Lafayette College at age 16. Following graduation he matriculated at Cornell University Medical College. Upon graduation in 1962, he received residency training at the University of Wisconsin and then entered the USPHS, was assigned to the Centers of Disease Control and Prevention in Atlanta where he rose to the rank of lieutenant commander.



Stolley was profoundly humanistic and committed to civil rights. While residing in Georgia, he was able to hear Dr. Martin Luther King, Jr., speak on several occasions and this affected him deeply.

Following discharge from the USPHS, he obtained a master's degree in public health from Johns Hopkins University. In 1968, he became associate professor at its school of public health where he continued his research in public health and epidemiology.

In the early 1970s, he moved to the University of Pennsylvania where he helped found the medical school's clinical epide-

*(Continued next page)*



## Remembered

(Continued from page 45)

miology unit which became a center in 1976. As a practicing internist, Stolley focused on the care of the poor and socially disadvantaged. He created a program that supported physicians from developing countries to travel here to learn public health methodology which could be used in their home countries upon return.

In 1990, Stolley arrived at Maryland as professor and chair of the department of epidemiology and public health. Throughout his career he had an interest in clinical pharmacology, drug toxicity, and efficacy. He published numerous papers identifying important side effects of commonly used drugs. In addition, he served as a senior consultant to the FDA. In this capacity, he became concerned about the potential conflict of interest between the pharmaceutical industry and those supervising clinical trials. As a consequence he agreed to serve as an advisor to Public Citizen, a consumer watchdog group.

Under his direction, his department studied patterns of violence in the City of Baltimore in the hopes of identifying the genesis.

Stolley was elected president of the American Epidemiological Society and the Society for Epidemiological Research. He was a member of the editorial board of the *New England Journal of Medicine* and Physicians for Social Responsibility.

In the early 1990s, Maryland underwent a major curriculum revision resulting in major contention and disagreement amongst faculty, department chairs, and students. The position of chair of the curriculum committee commission was to become an especially important leadership role. Those opposed to change pressured candidates for the position not to assume the job. Fortunately for the school, Stolley accepted the role, and working in his uniquely gentle, inclusive, no-nonsense, and democratic way was able to arrive at a successful outcome.

Stolley was a scholarly, altruistic, humane, sensitive, humorous, and inspirational man. He is survived by wife Jo Ann, two daughters, one son, and five grandchildren. 🏠

## IN MEMORIAM



at Maryland before serving two years as a medical officer with the U.S. Navy. He returned to Maryland for residency training in pediatrics, and then entered private practice in Towson where he remained until retirement in 1996. In retirement, he traveled to Zambia and Kenya on medical missionary trips. Goshorn enjoyed travel, photography, and writing. Survivors include wife Mary, one son, and three grandchildren. He was preceded in death by daughter Susan.

### Henry B. Higman, '55

Neurology,  
Detroit, Mich.  
August 5, 2017

Delaware Hospital in Wilmington was the location of Dr. Higman's internship, followed by residency training at Charity Hospital of Louisiana in New Orleans. Dr. Higman pursued fellowship training in neurochemistry in the department of biochemistry at Columbia University from 1959 to 1962. He served as special consultant to the U.S. Surgeon General from 1967 to 1971, and helped found the department of neurology at the University of Pittsburgh when he joined the faculty as chair in 1968. He remained in this capacity until 1976 and was named professor emeritus upon his retirement in 1995. Higman enjoyed researching neurological diagnosis of historical and literary subjects. He was a member of the John Beale Davidge Alliance Silver Circle, Maryland's society for major donors. Survivors include wife Betty.

### H. Coleman Kramer, '56

Internal Medicine & Cardiology  
Tampa, Fla.  
May 21, 2017

Upon graduation, Dr. Kramer remained at Maryland for internship and residency training in internal medicine. This was followed by a fellowship in cardiology at Jackson Memorial Hospital in Miami. He practiced in Miami with appointments as senior attending at Mount Sinai Medical Center and an attending at the Miami Heart

Institute. During this time he was clinical assistant professor at the University of Miami School of Medicine. Kramer later practiced in Tampa and held an academic appointment as clinical professor of medicine at the University of South Florida College of Medicine. He was a member of the John Beale Davidge Alliance Silver Circle, Maryland's society for major donors. Kramer enjoyed photography, music, reading, and travel. He and wife Norma had four children.

### Richard L. Wolfe, '58

Ophthalmology  
Towson, Md.  
July 7, 2017

Prior to college, Dr. Wolfe served with the U.S. Merchant Marine and the U.S. Army. Upon medical school graduation, he trained at the Johns Hopkins Wilmer Eye Institute and later practiced privately in the Baltimore area. He served on the staffs of Johns Hopkins, GBMC, and Union Memorial Hospital. Wolfe enjoyed tennis and racing sports cars. Survivors include wife Jacqueline and two children.

### Fortune Odend'hal IV, '60

Family Practice & Emergency Medicine  
Reedville, Va.  
April 11, 2017

Dr. Odend'hal did a rotating internship and one-year residency in internal medicine at Akron City Hospital in Akron, Ohio. He maintained a general practice in Akron for five years before being drafted into the U.S. Navy, commissioned as a lieutenant commander. During military service, Odend'hal was employed at Fairfax Hospital/Inova in Fairfax, Va., as an emergency-room physician. Upon discharge from the military, he continued at Inova and also opened a private general practice in Manassas which continued until 1983. He retired in 2007. Odend'hal enjoyed fishing, boating, hunting, traveling, and reading. Survivors include wife Bonnie, four children, two step-sons, eight grandchildren, two step-granddaughters, and three great-grandchildren.

### William A. Lampley, '44

General Surgery  
Henderson, N.C.  
June 1, 2017

### Hilbert M. Levine, '54

General Surgery  
Baltimore  
August 7, 2017

Upon graduation, Dr. Levine received training at Mercy Hospital in Baltimore where he remained until retirement in 1993. Appointments included president of the staff and chairman of the medical executive committee at Mercy, and clinical assistant professor of surgery at Maryland. In addition, he served on the staff at the medical center as well as at Harbor Hospital. Levine enjoyed a second home in Delray Beach, Florida, enabling him to play gold year round. He also attended opera and worked the daily crossword puzzles. Survivors include wife Helene, six children, eight grandchildren, and six great-grandchildren.

### Marshall A. Simpson, '54

Psychiatry  
Columbus, Ga.  
April 4, 2017

Prior to medical school, Dr. Simpson was a medic for three years with the U.S. Navy. After graduation he interned at Huntington Memorial Hospital in Pasadena, Calif., and received residency training at Tulare County General Hospital and the Mental Health Institute. He practiced in Alaska for seven years, and in 1971 relocated to Columbus. Simpson retired in 2012. He was a member of the John Beale Davidge Alliance Elm Society, Maryland's society for major donors. He enjoyed photography and travel. Survivors include three daughters, four grandchildren, and nine great-grandchildren.

### Gary Goshorn, '55

Pediatrics,  
Towson, Md.  
August 25, 2017

Dr. Goshorn served a rotating internship

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## IN MEMORIAM



### **Stephen R. Cohen, '63**

Urology  
Naples, Fla.  
June 29, 2017

Dr. Cohen practiced urology in Baltimore until December 31, 2010, when he retired and moved to Naples, Fla. He enjoyed golf, bridge, reading, and miscellaneous charity projects. Survivors include two children and four grandchildren. His marriage to wife Susan ended in divorce.

### **Paul B. Saneman, '63**

OB-GYN  
Webb City, Mo.  
July 17, 2017

### **Michael J. Rokoff, '66**

Radiology  
La Jolla, Calif.  
July 7, 2017

Dr. Rokoff was a transfer medical student, coming to Maryland from Tufts Medical School. Upon graduation, he interned at Mercy Hospital in Baltimore and received residency training at Los Angeles County, USC Medical Center. He practiced in the La Jolla area. Survivors include wife Judy and two sons.

### **James W. Spence, II, '66**

Neurosurgery  
Lakeland, Fla.  
August 26, 2017

Boston Medical Center was the location of Dr. Spence's internship, followed by residency training at Tufts New England Medical Center and Case Western Reserve-University Hospitals in Cleveland. He worked at Peninsula General Hospital in Salisbury, Md., from 1974 to 1988, and then at the Watson Clinic in Lakeland, Fla., from 1988 to 2006 where he served as chairman of surgery and a member of the executive committee. In the late 1990s, he founded Pelican Asset Managers. Spence was a member of the John Beale Davidge Alliance Elm Society, Maryland's society for major donors. He enjoyed the outdoors, horticulture, fishing, and wine collecting.

Spence is survived by wife Juanita, three children, and four grandchildren.

### **William A. Reed, '68**

Psychiatry  
Oakland, Calif.  
October 11, 2012

Dr. Reed practiced psychiatry in Oakland, California. Survivors include three children and two grandchildren.

### **Lawrence A. Fleming, '71**

Internal Medicine  
Madison, Wisc.  
August 30, 2017

Maryland was the location of Dr. Fleming's internship and residency training in internal medicine. This was followed by military service where he was a flight surgeon in the U.S. Army 3rd and 5th Air Cavalry. Upon receiving his discharge, Fleming returned to Maryland for a year as chief resident. He was in private practice in Rochester, N.Y., before joining the faculty at the University of Wisconsin School of Medicine and Public Health in 1979. Appointments included medical director of U-Care which became Unity HMO. He retired in 2011. Survivors include wife Jonne, one daughter, two sons, and seven grandchildren.

### **Gary B. Ruppert, '75**

Rheumatology  
Baltimore  
June 29, 2017

Dr. Ruppert practiced rheumatology, serving as chief at Mercy Medical Center. He retired in 2009. He was a member of the silver circle of the John Beale Davidge Alliance, the medical school's society for major donors.

### **Unaiza Hayat, '95**

Internal Medicine  
Fresno, Calif.  
August 20, 2014

Dr. Hayat served as CEO and chief medical officer for Avecinia Wellness Center in Fresno. She was affiliated with Saint Agnes Medical Center and Community Regional Medical Center.

## IN MEMORIAM



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## Faculty

### **Eleanore Marjorie Whitmore Jantz, PhD**

Psychotherapy  
July 30, 2017

Dr. Jantz taught psychology and psychotherapy at Maryland in the 1960s and 1970s. Born in New York City, she completed a bachelor of science degree in 1953 from Northwestern University and remained there to earn a master of arts degree in 1955 and a PhD in 1959. In doing so she became the first woman accepted into post-graduate studies at Northwestern. While teaching at Maryland, she also became the first woman to serve on the Maryland Board of Psychological Examiners. She later traveled with her husband to work at universities in Germany and Austria before retiring to Durham, North Carolina. Jantz enjoyed European travel, fine dining, classical music, gardening, antiques, collecting cookbooks, and investing in the stock market. She was preceded in death by husband Harold. 🏠

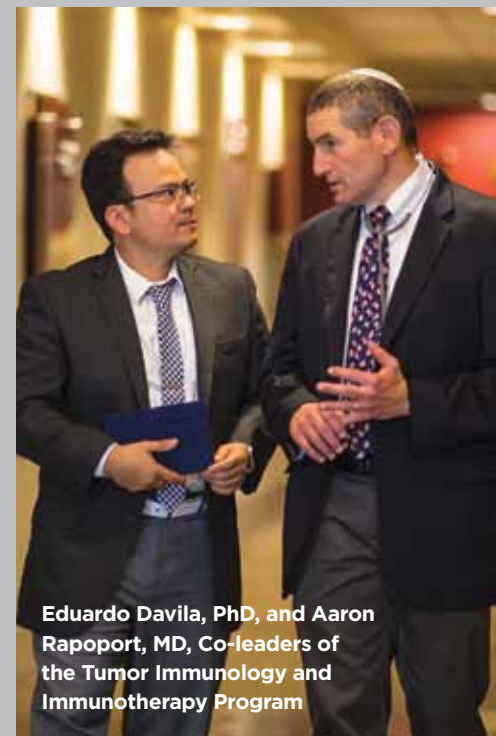


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