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ON THE COVER:

Haley Aubertine '23 attends class virtually from her Geneva Tower apartment.





Dear Alumni and Friends,

do hope you and your families are doing well in these challenging times. If your lives are anything like ours at Upstate, they are filled with telecommuting, Zoom meetings and virtual events. We certainly miss our in-person gatherings and conversations, but we are grateful for the opportunity to come together virtually and to continue to pursue our mission. While we were unable to welcome our reunion classes back to campus this fall, we look forward to celebrating with you as soon as it is safe to do so.

I am happy to report that these new realities have not prevented us from continuing to provide all of the same support we always have for our medical students. I need to thank you, our alumni and friends, for your continued loyalty to the Upstate Medical Alumni Foundation. Because of your generosity and commitment, our endowments continue to grow. Your response to the Student Emergency Fund was impressive. More than \$60,000 was raised in a matter of

weeks, providing our students new resources to help them through these arduous times.

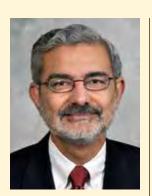
It is understandable that in this unprecedented year, people have difficult choices to make in deciding what charities will receive their support. Our biggest challenge has been with the Alumni Annual Gift Campaign. We did fall short of our goal last year, but are confident that with our renewed effort and your support we can bounce back in 2020–21. Please remember that by supporting the Alumni Annual Gift Campaign you are supporting our mission to serve and support our medical students on their path to becoming the next generation of physicians.

My best to all of you and your families. Stay well!

Paul E. Norcross Executive Director

Medical Alumni Foundation

UPSTATE MEDICAL ALUMNI JOURNAL | WINTER 2020



Mantosh Dewan, MD

SUNY Names Mantosh Dewan, MD, President of Upstate Medical University

MANTOSH DEWAN, MD, who has served as interim president of Upstate Medical University since November 2018, has been named president of Upstate.

The appointment was announced by the SUNY Board of Trustees on November 5.

Under Dr. Dewan's leadership, Upstate has been commended by the board of trustees for its work on a COVID pooled surveillance testing program that has assisted most SUNY campuses in meeting regular testing for students, faculty, and staff on campus.

Another breakthrough under Dewan's leadership is the development by Upstate and its Start-Up New York partner, Quadrant Biosciences, of a saliva-based COVID diagnostic test that was granted Emergency Use Authorization by the U.S. Food and Drug Administration.

The Upstate Medical College Council subcommittee on Search Firms at Upstate passed a unanimous resolution that states: "This Subcommittee finds that Dr. Dewan has demonstrated an extraordinary capability to lead this institution in a positive future direction and has gained the measure of respect and support from all sectors of the Upstate Medical University that would enable him to successfully continue his highly effective leadership were he to be appointed permanent President of Upstate Medical University."

Dewan has had a long and distinguished career at SUNY Upstate. He is a SUNY Distinguished Service Professor in the Department of Psychiatry; former chair of the Department of Psychiatry; and has served as director of Undergraduate Education and director of Residency Training. He also served as interim dean of the College of Medicine.

Dewan joined Upstate Medical University in 1979 as an assistant professor of psychiatry. He has written 35 books and book chapters and 75 papers, and given hundreds of presentations on topics that range from brain imaging and economics of mental health care to psychotherapy and medical education. His work has been funded by grants from the National Institute of Mental Health and the Health Resources and Services Administration.

Dewan has an active clinical practice and is listed in The Best Doctors in America. He is a Distinguished Life Fellow of the American Psychiatric Association and has received the Scientific Achievement Award from the Indo-American Psychiatrists Association, the Exemplary Psychiatrist Award from the National Alliance for the Mentally Ill, the 2010 George Tarjan Award from the American Psychiatric Association, and designated an "Exemplary Chair" by SUNY in 2011.

Dewan holds a doctor of medicine from Bombay University (currently Mumbai University). He conducted his psychiatry residency at Upstate.



College of Medicine students during a pre-COVID winter

Upstate's Stephen Thomas, MD, Named Lead PI for Pfizer/BioNTech Global Phase 3 COVID-19 Vaccine Trial

STEPHEN THOMAS, MD, professor and chief of infectious disease at Upstate Medical University, was appointed the lead principal investigator for the worldwide Pfizer/BioNTech vaccine trial, which is showing more than 90-percent efficacy in preventing COVID-19. Upstate serves as one of the global phase 3 vaccine trial locations.

"It's great news that Pfizer/BioNTech is seeing positive results from its vaccine trial and I'm proud one of New York's foremost infectious disease experts has been selected to lead its worldwide vaccine trial," says New York Governor Andrew Cuomo. "On behalf of the family of New York I would like to thank Dr. Thomas for his work fighting this invisible enemy."

"The Upstate team has worked incredibly hard . . . as we all try to find ways to stop this pandemic. This hard work, combined with the outpouring of support from our CNY community, has put us in a position to be great contributors to the COVID vaccine development effort."

—Stephen Thomas, MD

As the lead principal investigator, Dr. Thomas will support Pfizer and BioNTech as they prepare vaccine trial data for submission to regulatory agencies, including the U.S. Food and Drug Administration.

"This is the second major COVID-19-related research news coming out of Upstate Medical following the FDA-approved pooled surveillance testing for the virus, and it serves as a



Stephen Thomas, MD, fields questions from the press.

reminder of the expertise within SUNY to help solve major issues impacting our society," says SUNY Chancellor Jim Malatras. "Each of us have a role to play in fighting off this pandemic, from wearing masks and staying socially distanced; to equipping our campuses based on data and science to protect students, faculty, and staff; to PPE production; and research capabilities."

As one of the global phase three vaccine trial sites, Upstate has enrolled more than 300 adult volunteers in the trial. The study of the vaccine candidate in younger volunteers will begin soon, with Upstate being selected again as one of a few sites. "The Upstate team has worked incredibly hard to support Pfizer and their partners as we all try to find ways to stop this pandemic," says Thomas. "This hard work, combined with the outpouring of support from our CNY community, has put us in a position to be great contributors to the COVID vaccine development effort."





Above left: New York Governor Andrew Cuomo gives one of his daily COVID-19 briefings from the Upstate campus.

Above right: Upstate's Frank Middleton, PhD, one of the developers of the salivabased COVID-19 diagnostic test, speaks with SUNY Chancellor Jim Malatras about how the test is being used on SUNY campuses across the state.

New York State Approves Innovative COVID Testing Programs Developed at Upstate

pilot program developed at Upstate Medical University to detect the presence of COVID-19 in wastewater and designed to establish an early indicator system to forecast virus spread in communities was approved by New York State in August.

The wastewater pilot will be used to assess the feasibility of a statewide initiative to utilize wastewater as a leading indicator of the prevalence of COVID-19 in the population, usefulness in predicting diagnostic testing and contact tracing needs, as well as potential mitigation measures such as hospital preparedness, the need to reinforce Executive Orders or re-evaluate re-opening plans.

The New York State Department of Health and the New York State Department of Environmental Conservation are partnering in the pilot program with Syracuse University, SUNY Environmental Science and Forestry, SUNY Upstate Medical University, Syracuse-based Quadrant Biosciences, and the engineering consulting firm Arcadis.

Early in the COVID-19 pandemic, scientific studies demonstrated that the genetic material, RNA, of the virus causing the disease, SARS-CoV-2, could be detected in the feces of up to 40 percent of infected individuals, even those who are asymptomatic. Although wastewater is not believed to be a viable source of disease transmission, this provided a strong indication that the genetic signal could potentially be detected in wastewater. Tracking infectious disease transmission through

wastewater was used decades ago to track the transmission and eradication of poliovirus. Limited sampling has already been conducted in the Onondaga County wastewater system. A grant of \$500,000 supports the expansion of the pilot study with increased frequency of sampling in Onondaga County and in three additional communities, Albany, Newburgh and Buffalo.

Governor Andrew Cuomo also announced that the State University of New York was approved by the New York State Department of Health to undertake pooled surveillance testing for COVID-19—an innovative method where numerous samples can be run as part of one test. SUNY's pooled testing approach was developed and validated by Upstate Medical University's laboratory, and will use saliva samples, pooled in batches as small as 10 and as large as 25 samples. Upstate will be able to conduct at least 12,000 more daily tests as a result of this innovative approach.

"As New Yorkers remain vigilant in stopping the spread and our communities cautiously reopen, we continue to aggressively focus on testing in order to detect and control any new coronavirus outbreaks," Governor Cuomo said. "These new testing initiatives, analyzing wastewater for COVID, deploying mobile testing teams to address clusters at farms, and investing in new capacity using pooled testing, will be a critical part of our state's efforts to test, trace and isolate—and defeat the virus."

FDA Approves Diagnostic Saliva COVID-19 Test Developed at Upstate

Asaliva-based diagnostic test to detect whether an individual is infected with COVID-19 was granted emergency use authorization by the U.S. Food and Drug Administration in late September. The test was developed by researchers at Upstate Medical University and Quadrant Biosciences, a Start Up NY company based on the Upstate campus.

The Clarifi COVID-19 test is a non-invasive and easy-to-administer saliva swab that determines the presence or absence of SARS-CoV-2 viral RNA. The Clarifi COVID-19 Test Kit contains the saliva collection swab and the reagents needed to run the analysis.

The emergency use authorization means the test is now widely available immediately for use by high-complexity clinical laboratories serving patients through physicians' offices, urgent care clinics, and hospitals.

"This is indeed a game-changer," says Upstate Medical University

President Mantosh Dewan, MD. "We have seen the benefits of this testing here in New York state as we have used it to test significant numbers of individuals quickly and safely to keep our communities, and in the case of our current testing work, local school districts and college campuses safe."

Richard Uhlig, Quadrant Biosciences founder and CEO, applauded the move by the FDA. "We are thrilled that the FDA has issued the Clarifi COVID-19 Test EUA approval for use in the diagnosis of COVID-19," he said. "The coronavirus has had a devastating effect on health and welfare worldwide, so it is extremely gratifying for us to take the expertise we have gained working on RNA diagnostic tests for other health conditions, such as autism spectrum disorder and Parkinson's disease, and apply that expertise to the development of this critically important test."

In New York, the test has been used in coordination with Upstate's

pooled saliva surveillance testing. The combination of surveillance pool testing and the saliva diagnostic testing enables rapid screening of more than 15,000 samples a day in a single lab, followed by clinical testing of positive pools without the need to collect a new sample.

"From the beginning of the COVID-19 crisis, it's been clear that testing is one of the most critical tools we have to slow the spread. The more you test, the more accurate a picture of the state's cases you have," says New York Governor Andrew Cuomo. "This is a perfect example of how New York's approach of partnering state institutions with the private sector is paying dividends and helping us fight the pandemic. We're glad to see it approved by the FDA and look forward to its use throughout New York and beyond."





Ruth S. Weinstock, MD, PhD

Ruth Weinstock, MD, PhD, Elected to Top Post at American Diabetes Association

UNY Distinguished Service Professor Ruth S. Weinstock, MD, PhD, division chief of Endocrinology, Diabetes and Metabolism at Upstate Medical University, has been elected President of Medicine and Science for the American Diabetes Association (ADA).

Dr. Weinstock, considered one of the nation's leading physicianscientists in the area of diabetes, is currently president-elect and begins a full term as president in January 2021. The post is one of four elected principal officers of the ADA. Weinstock is only the fifth woman to hold this position in the ADA's 80-year history.

Weinstock also serves as medical director of the Clinical Research Unit

and medical director of the Joslin Diabetes Center at Upstate. Her research over the past 25 years has focused on the study of new approaches for the prevention and management of diabetes mellitus and its complications, including efforts to expand access to diabetes care to underserved populations using telemedicine.

Weinstock has played essential roles in several national collaborative research projects, including Treatment Options for Type 2 Diabetes in Adolescents and Youth (TODAY), and the Informatics for Diabetes Education and Telemedicine (IDEATel) Demonstration Project. With the Type 1 Diabetes (T1D) Exchange clinical network, she has

conducted many projects including studies on the use of continuous glucose monitoring. She has trained and mentored hundreds of students, residents and fellows, and has published extensively.

Weinstock has received numerous honors and accolades for her work, including the 2018-2019 Samuel Eichold II Memorial Award for Contributions in Diabetes from the American College of Physicians; the SUNY Research Foundation Award Honoring Research in Science, Engineering and Medicine; the SUNY Chancellor's Award for Excellence in Scholarship and Creative Activities; and in 2017, the American Diabetes Association Outstanding Physician-Clinician Award.

Leann Lesperance, MD, PhD, Named Associate Dean for Undergraduate Medical Education

LEANN LESPERANCE, MD, PHD, clinical assistant professor of pediatrics, was named associate dean for undergraduate medical education (UME) in the College of Medicine in August. Lesperance had served as interim associate dean for UME since August 2019.

As associate dean for UME, Lesperance provides guidance and oversight for all matters relating to medical student educational programs, including the development and monitoring of outcome measures

for educational quality, compliance with Middle States and LCME accreditation standards, curriculum design, and support for course and clerkship directors, among other responsibilities.

Lesperance joined Upstate in 2004. During her career at Upstate, she has held numerous posts, including site director for the Binghamton pediatric clerkship (2012-2018) and associate dean for academic affairs at the Binghamton Clinical Campus. She helped to reorganize the Binghamton pediatrics clerkship to align the curriculum with that in Syracuse. She has played an active role in curriculum planning, faculty development, and student recruitment and advising, and has assisted with preparation for Middle States and LCME accreditation processes.

Lesperance holds a doctorate in medical engineering from MIT and a medical degree from Harvard Medical School. She completed her residency in pediatrics at Boston Children's



Leann Lesperance, MD, PhD

Hospital. She received the President's Award for Excellence in Teaching at the Binghamton Clinical Campus in 2012.

Lupus Clinical Trial Awarded \$7.2-Million NIH Grant



Andras Perl, MD, PhD

UPSTATE DIVISION

Chief of Rheumatology Andras Perl, MD, PhD is the principal investigator on a lupus drug clinical trial that has been awarded a \$7.2 million grant from the National Institutes of Health. The study is based at Upstate and involves 20 lupus centers from academic institutions around

the United States. This is the first NIH-supported multi-center clinical trial led by an Upstate professor.

The phase two trial involves systemic lupus erythematosus (SLE), which is the most common and the most severe form of the four types of lupus, according to the Centers for Disease Control and Prevention. SLE is a chronic inflammatory disease that affects 1.5 million Americans, according to the Lupus Foundation of America. This clinical trial will involve 250 patients from across the United States, including many from Central New York. Each participant will take part for 13 months and the study is expected to last for five years.

"The awarding of this grant to Dr. Perl is the culmination of many years of basic and translational research by his lab on the promise of N-acetylcysteine in treating lupus, a hypothesis wholly driven by Dr. Perl's insight," says Upstate vice president for research David C. Amberg. "This is also a recognition of Dr. Perl's preeminence in this field as one of the top clinicians in treating patients with Lupus and top researchers developing new treatments for this devastating disease that impacts 1.5 million Americans."

Public Health/Preventive Medicine Team Publish Social Distancing Study

A team from the Department of Public Health and Preventive Medicine at Upstate Medical University has published a paper about a study showing how local social distancing slowed the spread of COVID-19 early in the pandemic.

The study used mobile phone tracking data from a company called Unacast to assess the relationship between people's movements and the spread of the disease across eight Central New York counties. The paper, "Social Distancing Metrics and Estimates of SARS-CoV-2 Transmission Rates," was published in the Journal of Public Health Management & Practice.

Lead author Christopher
P. Morley, PhD, is chair of the
Department of Public Health and
Preventive Medicine at Upstate.
During a six-week period from
March 6 to April 15, Morley
and his team looked at the data
provided by Unacast, which has
continued to publish a Social
Distancing Scoreboard based
on people's mobile phone movements. Unacast assigns letter
grades from "A" to "F" to counties

across the country, for how much people are moving around based on their cell phone data.

At the same time, Morley's team was regularly calculating an R value, or reproduction rate, for the region, with Upstate Public Health faculty member Dongliang Wang, PhD, adapting methods for the calculation of R to the rapidly changing COVID-19 context. The R value is an indicator of the average number of new cases of an infectious disease generated by an infected person. The researchers found strong associations between social distancing (the grade from Unacast) and the R value, Morley says.

"In short, the more people adhered to social distancing practices, the reproduction rate of the virus for the following week dropped (and conversely, poorer adherence led to higher R(t) estimates)," he says.

Co-authors of the study are Kathryn B. Anderson, MD, PhD, MSPH; Jana Shaw, MD, MPH, MS; Telisa Stewart, DrPH; Stephen J. Thomas, MD; and Dongliang Wang, PhD, all of Upstate.



Christopher P. Morley, PhD



Wanda Fremont, MD '83

Upstate Expands Adolescent Mental Health Care

UPSTATE MEDICAL UNIVERSITY has opened the new Upstate Adolescent Intensive Outpatient Program, designed to treat adolescents age 13 to 18 with psychiatric disorders and behavioral difficulties that interfere with their ability to function at home, school, or in their communities.

The program provides four-to-six weeks of intense services to adolescents whose symptoms are not responding to traditional outpatient services and who are at risk of needing inpatient care. The seven-to-nine hours of intensive treatment each week will include medication management, individual therapy, family therapy, group therapy, and multi-family group therapy—all based on the dialectical behavioral therapy (DBT) model of treatment that teaches coping skills and identification of triggers.

Wanda Fremont, MD '83, vice chair for Child Psychiatry Services at Upstate, says the dialectical behavioral therapy model teaches patients coping skills. "DBT will allow patients to identify triggers, develop coping skills, manage frustration, and practice mindfulness. Patients will always meet with the same therapist for continuity's sake, and the team will meet weekly to discuss patient care," she says.

In addition to keeping adolescents in their

communities while helping them to stabilize and improve their functioning, "the program is also designed as a step-down option for those who have completed a program providing a higher level of psychiatric care with the goal of helping individuals safely reintegrate into their life," says Jessica Costosa-Umina, PhD, program director.

Upstate's Adolescent Intensive Outpatient Program will also offer a long-term Comprehensive Dialectical Behavioral Therapy-Adolescent (DBT-A) option, which is an intensive, highly structured program providing evidence-based treatment to adolescents with extreme emotional instability.

Upstate's Adolescent Intensive Outpatient Program will fill a gap in the continuum of psychiatric care for adolescents within the Syracuse community, as Syracuse is the only area in the upstate New York corridor that, to date, had not provided any intermediate levels of psychiatric care for this population. "The new IOP and DBT programs complement one another in that they both employ DBT treatment, further strengthening the continuum of care for this high-risk population. They also complement the inpatient unit at Upstate University Hospital, which also provides DBT treatment," Costosa-Umina says.



Thomas Schwartz, MD '95

Thomas Schwartz, MD '95, named Chair of the Department of Psychiatry and Behavioral Sciences

homas Schwartz, MD '95, has been named chair of the Department of Psychiatry and Behavioral Sciences. "I am pleased and honored to have Dr. Schwartz lead the Department of Psychiatry and Behavioral Sciences," said College of Medicine Dean Lawrence Chin. "The department has benefited greatly from his interim service and we look forward to his continued leadership as chair."

In his role as interim chair, which he has held since 2016, Schwartz led efforts to increase the number of residents, the amount of research being conducted, and an expansion of clinical services for adults and children, including specialty programs in child psychiatry, addiction, and for treating high-risk suicidal patients.

Earlier this year, under Schwartz's leadership, Upstate opened its first dedicated inpatient psychiatric unit for adolescents

In May, the department was recognized by the American Psychiatric Association with the Psychiatric Services

Achievement Award for its Rural-Academic Partnership Program designed to address the shortage of psychiatrists in rural areas of central and upstate New York.

Since joining the faculty in 1999, Schwartz has been active on many teaching, administrative and curriculum committees and provides direct resident supervision, lectures in several courses, and directs and organizes continuing medical education events for the psychiatry and behavioral sciences department.

Schwartz has been honored throughout his career with numerous awards, including SUNY Chancellor's Award for Excellence in Teaching, the Upstate President's Award for Excellence in Teaching and the Nancy Roeske, MD, Irma Bland, certificates of Recognition for Excellence in Medical Student and Resident Education from the American Psychiatric Association.

Schwartz received his medical degree from Upstate Medical University, where he also completed his residency in adult psychiatry.

Upstate Pediatrics Chief Named Chair of American Academy of Pediatrics Committee

regory Conners, MD, MPH, MBA, professor and chair of the Department of Pediatrics and executive director of Upstate Golisano Children's Hospital, was appointed chair of the American Academy of Pediatrics' Committee on Pediatric Emergency Medicine. Conners' four-year term as chair was effective July 1.

"On behalf of Upstate Medical University, I congratulate Dr. Conners on this important appointment. He has distinguished himself as a national leader on pediatric emergency medicine and his leadership and insight on this important issue will benefit all pediatric patients greatly," says College of Medicine Dean Lawrence Chin, MD.

The committee addresses the unique needs of children and adolescents in the access to and delivery of pediatric emergency care. The committee uses its resources "to foster national programs and policy designed to heighten professional and public knowledge of such issues as prehospital care of children, EMS, pediatric life support, hospital resources for the delivery of pediatric

emergency care, including essential equipment supplies, staff and protocols," according to the AAP.

As a member of the Committee of Pediatric Emergency Medicine from 2010-2016, Conners was part of the process that provided guidance on pediatric observation units and stressed the importance of good communications between an urgent care center where a child was treated and the child's "medical home."

The committee's decision-making process on policies and guidelines often involves discussion and input from various other organizations, such as groups representing emergency physicians, emergency department nurses and emergency medical services personnel, Conners says.

Conners joined
Upstate in March 2019
from Children's Mercy
Hospitals & Clinic, University of Missouri, Kansas
City School of Medicine,
where he served in a
variety of roles, including
associate chair of pediatrics and director of the
Division of Emergency
Medicine. He earned his
medical degree from
SUNY Stony Brook School
of Medicine.



Student Food Pantry Named in Memory of Alex Paley, MD '19

A FOOD PANTRY for Upstate Medical University students is being relocated and renamed in honor of former Upstate medical student Alex Paley, MD '19, who died last year of glioblastoma.

A lifelong runner and believer in healthy foods, Paley was known for cooking for his classmates and was a regular volunteer at the Upstate food pantry, located at the nearby University United Methodist Church. Plans are underway for a new on-campus pantry site to be named Paley's Pantry. The new location will be in the lower level of the Campus Activities Building, which will be easier for students to visit. Student Affairs staff have applied for Paley's Pantry to become an

official food pantry with the Food Bank of Central New York. That designation will allow Student Affairs to purchase food at a discounted rate and serve more students in need.

The food pantry began in fall of 2018 to address the increasing number of students who face uncertainty about where their next meal will come from and how they will pay for it. The Office of Student Affairs conducted a survey on campus and found that up to 20 percent of Upstate medical students faced food insecurity.

Paley's mother, Natalie Aiello, says her son would be humbled to know the pantry will carry his name.

"I think he would be quietly pleased because it would be calling attention to healthy eating and helping others," she said. "He was not someone who would brag about what he was doing."



edical schools are adapting to unfolding challenges to ensure future physicians get the training they need while staying safe from COVID-19. It's a work in progress.

Kelly Reese '24 had her sights set on medical school for years. But the first-year Upstate student never pictured that experience as sitting in an off-campus apartment watching lectures on her computer. "We've all had to adapt to the way things are because that's just how it is," she says.

Reese is one of approximately 8,100 medical students nationwide beginning their medical education during the COVID-19 pandemic. Across the country, medical schools have had to adapt to recommended social distancing guidelines and strict safety protocols while continuing to educate the next generation of physicians. The Upstate College of Medicine is no exception.

"It's a challenge that has forced us to evaluate all aspects of the curriculum," says Dean Lawrence Chin, MD, "We've had to think about what is really essential in terms of clinical contact, and obviously, to look at different models of delivering content and the technology around distance learning."

That process began last March, when Upstate, like schools across the country, moved to remote learning during the onset of the pandemic. "That happened relatively quickly and without a lot of advance notice, so it was a tremendous amount of work for the course directors," says Chin

First-year students were near the end of human anatomy and had to finish the course with online modules. Third-year students were pulled from clinical rotations—a decision made at the recommendation of the AAMC—and spent their time completing online modules related to their assigned rotations.

"All of the clinical rotations had to evaluate the most critical parts of clinical interaction that students needed for their education," says Chin. "Each course had to determine the minimum for that specialty. If the

student had already satisfied that, they were good. Everything else could be done online."

When Upstate went remote, administrators initially thought it would only be for two or three weeks," says Leann Lesperance, MD, PhD, associate dean for undergraduate medical education and associate dean for academic affairs at the Binghamton Clinical Campus. "We kept making contingency plan upon contingency plan."

While some medical schools chose to delay the start of their 2020–21 academic year, Upstate remained committed to staying on schedule as much as was possible. "We had to figure out the start of the third year, which was complicated by the second-year students needing to take their Step One exam," says Dr. Lesperance.

When the pandemic hit, secondyear students were in the midst of their study period leading to Step One. Under normal circumstances, Upstate requires medical students to take Step One prior to beginning clerkships at the end of May. But with many testing



Third-year medical students on the Binghamton campus held a bioethics class at their instructor's farm so they could talk about bioethics and the election in person while social distancing.

centers canceling exam dates in April and May, that simply became impossible. Students scrambled to find available test slots, traveling to sites across the country. Ultimately the deadline was extended, giving students until the end of their third year to take the exam.

Third-year clerkships, originally scheduled to begin on May 26, instead started on July 6. As a result, clerkship rotations were shortened from five weeks each to four, with the exception of internal medicine, which is eight weeks, and surgery, which is six weeks. And in August, Upstate welcomed its incoming class of first-year students on schedule.

Silver Linings

While its easy to view COVID-19 as a disruption, Chin says it has also provided the catalyst to re-examine how Upstate delivers medical education in terms of what works and what can be improved. For many years, faculty and administrators have been

"We've had to think about what is really essential in terms of clinical contact, and obviously, to look at different models of delivering content and the technology around distance learning."

— DEAN LAWRENCE CHIN, MD

aware that increasing numbers of students were accessing the lectures at their convenience on Blackboard—with the ability to stop and rewind when needed—rather than attending class.

"It's obvious that many weren't seeing a value in being in class. So we wanted to focus on adding value," he says.

A major theme in planning for this year and beyond was looking at how much coursework needs to be synchronous. "We have moved towards more asynchronous content," says Chin. "We're still delivering lectures, but trying to deliver them in ways that engage the students more and also offering a framework of curated online resources that they can use."

This year, most of the coursework for the first two years has moved online as taped lectures that can be accessed by students at any time. Reese and her housemate, Katrina Stevens '24, have chosen to watch the lectures together as a way to hold each other accountable and stay on top of the material.

Students meet in small groups in person (socially distanced and wearing masks) for the Practice of Medicine (POM) and Foundations of Reasoning of Medicine (FRM) courses.

POM is where students learn

clinical skills, traditionally through learning encounters with standardized patients. This year, to reduce exposure risk, students have been assigned partners they will practice clinical skills with on each other. Patient encounters are conducted via Zoom.

"We're simulating a telehealth visit," says second-year student Haley Aubertine. "The encounters are still recorded and we have the opportunity to go back through them with our instructors."

FRM uses evidence-based case studies to introduce students to clinical medical reasoning. "We meet in groups of 12 students," says Megan Lafferty '24. You're given a case to study, you present it, and then we brainstorm about it as a group. Any opportunity to meet in person and see classmates is a positive; we're all spending so much time in front of computer screens."

"I've sat in on both classes," says Chin. "The groups are smaller because we're keeping the students physically distanced. Everybody is wearing masks. But the education is still excellent. The content is the same."



Haley Aubertine '23 in her campus apartment

Hands-On Learning

And then there's human anatomy. While some medical schools in New York state chose to delay the start of their human anatomy courses to later in the year, Upstate remains committed to maintaining this essential learning experience for first-year students.

When Upstate went remote last spring, first-year students ended up

completing the gastrointestinal and pelvis sections of human anatomy through Zoom sessions and online modules. "We surveyed the students afterward," says Dana Mihaila, MD, PhD, director of the anatomy laboratory and anatomical gift program. "The majority, 97.4 percent, said they preferred having access to the cadaver lab and many asked for access later on to see what they didn't have the opportunity to see."

Believing that anatomy can't be properly learned without access to a cadaver, the anatomy faculty lobbied to run the course as usual and received the support of Dean Chin, given the stable, low-rate of COVID-19 in Central New York. The challenge was to keep everyone safe in the process.

Typically, the first-year class is divided in half with anatomy lab conducted in two sections and teams of four students assigned to each cadaver per section. This year, the class has been divided into four groups, with teams of two working at each cadaver. Students are provided with PPE that includes gowns and face shields.

Switch Hitter

edical student Haley Aubertine '23 was home for spring break last March when news came that the Upstate College of Medicine would be switching to remote learning to due COVID-19.

Aubertine chose to stay in Clayton, New York, to isolate with her family and quickly found herself doing double duty. Her parents, who own the Clayton Distillery, had shifted the company's operations in response to the pandemic. First, they converted moonshine into surface cleaner. By April, they were mass-producing hand sanitizer.

"I was working 12-hour days with my family, trying to make an impact," says Aubertine. "At the same time, I had to balance my time and get my school work done."

Aubertine says the experience taught her the importance of being able to adapt and change, skills she's going to need as a doctor. "And it reaffirmed the need to stay focused," she says.

At the Clayton Distillery, the production line is back to vodka, gin, bourbon, and flavored moonshine. Now in her second year at the College of Medicine, Aubertine is back in Syracuse, although she spends most of her time in her apartment studying remotely. "I miss going to class," she says. "For me, going to class and seeing my friends has always been a stress reliever. It's been an adjustment."

"Because four different groups will work with the same cadaver during the course of the day, we shift the groups, so one day one group is the first and the next day that group might be last," Dr. Mihaila explains.

With fewer students at a time "they're forced to be a little more hands-on than maybe in the past," adds Robert Zajdel, PhD, anatomy thread leader for the College of Medicine. "We're also doing small group sessions in lab, in the classroom, and via Zoom," he says.

"We had to figure out the start of the third year, which was complicated by the second-year students needing to take their Step One exam."

-LEANN LESPERANCE, MD, PHD

The biggest change may be for faculty, who will now be spending full days in the lab to supervise four lab sessions instead of two. "The anatomy faculty are extraordinarily committed to maintaining this learning experience for students," says Chin.

"We'll see how it goes," says Mihaila, acknowledging that circumstances may force change at any moment.

Adapting on the Fly

Across the board, flexibility and willingness to adapt is essential. Third-year students were excited to resume hands-on learning and begin their clinical rotations. But in October, students at the Binghamton Clinical Campus were once again pulled from rotations for two weeks after a spike in COVID-19 cases in Broome County.

Fourth-year medical students across the nation are faced by the cancellation of in-person residency interviews. While the lack of travel is a huge cost savings, students say it's challenging to assess what programs are actually like via Zoom calls. While residency applications are typically due by September 15, this year the deadline was pushed back to October 21. With no change in decision deadlines or Match Day, it offers a shorter window for virtual interviews.

"I think it's harder to get a sense of the program and institution without being there and seeing it, and I worry that it's probably harder for the program to judge potential residents without the downtime and social interactions that typically happen," says fourth-year student Amanda Balch, who is applying to combined medicine/pediatrics programs.

And first and second-year students were disappointed by the announcement that all classes would



Third-year medical student Tyler Fuller dressed for his clinical rotation in Binghamton.

be remote after Thanksgiving through the end of the semester, despite that being the current norm across higher education. In late October, New York Governor Andrew Cuomo mandated that all SUNY students would have to test negative for COVID-19 prior to returning to their home communities for Thanksgiving. Whether that will pertain to College of Medicine students is uncertain as of this writing.

"If it's up to me, I'd say no, they are a special population," argues Stephen Thomas, MD, an infectious disease specialist tasked with developing a COVID-19 testing protocol for students and faculty at Upstate.

Prior to Upstate, Dr. Thomas served in a senior leadership position in the U.S. Army during outbreaks of the Ebola and Zika viruses. "It's interesting to work at a more operational level here to understand how decisions get implemented and all the factors that can be impacted by those decisions."

Any protocol Upstate adopts is subject to regulations and guidelines from both SUNY and the AAMC, which Thomas says, "makes things complicated."

In the advent of a vaccine, Thomas says it's unclear whether students would be required to take it, or in fact, who would make that decision.

A Drive to Serve

Despite all the uncertainties, only two students accepted to this year's class chose to defer their admission, and neither was due to COVID-19, says Jennifer Welch, associate dean of admissions. Rather, Upstate has seen a spike in applications for 2021-22—up 25 percent from last year—a trend seen by medical schools nationwide.

Welch believes the uptick is directly associated with COVID-19. For some, the pandemic has increased the desire to serve. Others are perhaps taking advantage of a unique admis-



Fourth-year medical student Amanda Balch interviews for residencies via Zoom.

sions period when medical schools will be understanding and more flexible regarding prerequisite courses taken pass/fail during the spring semester when colleges had to resort to remote learning. In addition, the length of the MCAT was shortened this summer and offered three times a day, providing more opportunity for students to test.

Interviews are being conducted via Zoom, as are admissions committee meetings. "We understand what students have been going through and are really taking a holistic look at their applications," Welch says.

Meanwhile, current students are focusing on making the best of a less than ideal situation.

"Coming into medical school you expect things to be pretty rigorous and having so much of the coursework online and asynchronous made it scarier," says Lafferty. "It wasn't easy at the start but I don't think medical school is ever easy at the start."

The positive, she says, is that the universal frustration has created a sense of solidarity. "Everyone recognizes that this is hard and has been very supportive. There's a lot of emails offering resources if we're

stressed and faculty are very good, even over Zoom, about checking in with how everyone is doing."

And some students view COVID-19 as an opportunity.

"This is the reality now, and who knows for how long," says Tyler Fuller, a third-year student at the Binghamton Clinical Campus. "Yes, it's harder to communicate with masks and social distancing, especially with patients who are hard of hearing. But we're also really learning telemedicine and are going to be adept with that technology in a way previous classes were not."

Fuller says he would welcome the opportunity to treat COVID-19 patients on his rotations, provided he had a proper arsenal of PPE.

"As future physicians, we're going to need to know how to care for patients with coronavirus," says Fuller. "Having the opportunity for clinical exposure during this unique time would be a great learning experience."

Above Reviews







Each year, the
Upstate Medica
Alumni Foundat
honors exceptional
alumni who have
made a unique
impact on medicine.
Meet our 2020
honorees.

PROFILES BY RENÉE GEARHART LEVY



Upstate Medical University
Upstate Medical
Alumni Foundation
Humanitarian Award
2020

Alumni honorees are presented with traditional gifts: a cane to the Distinguished Alumnus, a clock to the Outstanding Young Alumnus, and a plaque and financial contribution in their name to a charity of choice to the Humanitarian Award winner.

Community Health

Distinguished Alumnus Philip A. Wolf, MD '60, devoted nearly six decades to research study that established risk factors for heart disease, stroke, and dementia.

n 1948, three years after the premature death of President Franklin D. Roosevelt from hypertensive heart disease and stroke, Congress enacted the National Heart Act, declaring heart disease a national threat. The law established the National Heart Institute (now known as the National Heart, Lung, and Blood Institute) and allocated a \$500,000 seed grant for a 20-year epidemiological heart study of Coronary Heart Disease and Hypertension.

Seventy-two years later, the Framingham Heart Study continues, the longest running chronic study of disease in a population and one of the most important. The study has made major contributions to the understanding of heart disease and stroke and expanded to investigate conditions such as dementia, Alzheimer's disease, nutritional epidemiology, and most recently, how aging affects the heart and other organs.

For 25 years, the study was led by principal investigator Philip A. Wolf, MD '60, who stepped down in 2014 after a remarkable 57 years as a researcher on the study.

"The study has been amazingly productive," says Dr. Wolf, honored by the Upstate Medical Alumni Foundation as the 2020 Distinguished Alumnus. "Framingham changed the focus of health care from treating sick people to preventing healthy people from getting sick," he says.

When the study was launched back in 1948, the notion that diet, exercise, and tobacco use could impact heart health was revolutionary. But over time, the study identified the "risk factors"—a new term coined by the study—for diseases of the heart and blood vessels—identifying that hypertension, high cholesterol, and cigarette smoking were key risk factors for developing coronary disease, and that high blood pressure, elevated blood cholesterol, obesity, and cigarette smoking were predisposing factors to developing a heart attack and stroke. This was considered landmark research, co-authored by Wolf, when it was published in the *Journal of the American Medical Association* in 1970.

At the start, researchers literally went door

to door in Framingham, Massachusetts, asking people to participate by having regular physical examinations and answering questions about their lifestyles. They recruited 5,209 residents between the ages of 30 and 62 and the participants were followed every two years.

"Twenty or 30 years later, we recruited their children. And then 20 years after that, we recruited the third generation of Framingham participants," says Wolf. Over the span of three generations, researchers progressed from identifying risk factors to finding the precursors for those risk factors, to using genetic DNA analysis on the youngest cohorts to look at predisposition to those risk factors and to identify genes that underlie cardiovascular and other chronic diseases.

In 2007, the NIH created an open-access data set of clinical and genetic data of the 15,447 study participants to the scientific community, offering a huge contribution to personalized medicine. Researchers can use genetic markers to compare an individual's genetic data with his or her clinical history, accelerating discoveries linking genes and health and hopefully advancing scientists' understanding of the causes and prevention of cardiovascular disease and other disorders.

"Our research advanced along with science and technology," says Wolf.

Wolf was the first—and for a long time only—neurologist involved on the study. He modestly says his career was forged by "a series of fortuitous occurrences;" he simply followed a path of opportunities open to him.

Born in the Bronx, Wolf graduated from Stuyvesant High School at 16 and was the first in his family to attend college. Other than liking science, particularly biology, he says it's not really clear why he pursued medical school, but recalls being delighted to discover that "A., I liked it, and B., I was pretty good at it."

He became interested in neurology through two influential faculty members, David Whitlock, MD, PhD, who taught neuroanatomy, and Peter Duffy, MD, a neuropathologist. "Dr. Duffy covered neurology for most of Central New York and I followed him around for several years," says Wolf. "Once, during a surgery clerkship I was caught doing rounds with the neurology team. I received a C in Surgery, the chief noted (correctly) 'He's just not interested in surgery but some obscure subspecialty of medicine.'"

After earning his medical degree, cum laude and AOA awardee, Wolf did an intern year at Boston City Hospital. Unsuccessful in enrolling in the Berry Plan, he was about to get drafted into the Army when he was offered an opportunity through the Public Health Service to help run a study at the University of Pennsylvania Department of Epidemiology looking at heart disease in former Penn and Harvard students. The study, "Coronary Disease in Former College Students," was Wolf's first experience with a public health study and enabled him to receive the training in epidemiology and biostatistics at the same time.

Wolf returned to Boston to complete his residency in medicine at Peter Bent Brigham Hospital. His first rotation was neurology, where his "visit," was David Poskanzer, MD, MPH, one of two neuroepidemiologists in the United States at the time. He was looking for someone with epidemiology experience. "I ended up moving to Mass General as a neurology resident," Wolf says. It was there that Wolf was strongly influenced by C. Miller Fisher, MD, considered the grandfather of stroke neurology, and developed an interest in stroke.

As a research fellow in neurology, Wolf taught Preventive Medicine to Harvard medical students. One of his co-teachers, William B. Kannel, MD, was head of the Framingham Heart Study. Although Framingham was set up to study heart disease and hypertension, a number of the subjects were developing strokes. With no laboratory test to distinguish stroke from brain tumor, or other conditions, Wolf began visiting hospitalized Framingham Heart Study participants in 1967 to clinically determine whether someone had indeed suffered a stroke or not. He became more and more involved with the research and that involvement shaped the direction of his career.



Philip A. Wolf, MD '60

"Systematic assessment of cardiovascular risk factors and disease in midlife for more than 60 years provided an extraordinary opportunity to link them to late life cognitive decline and dementia."



The Massachusettts General Hospital neurology faculty in 1965. Wolf, a resident, is pictured in the second row from top, second from the left.

In 1969, Wolf joined Boston University School of Medicine, eventually becoming professor of neurology, research professor of medicine, and professor of public health (epidemiology and biostatistics) at Boston University School of Public Health. Around the same time, cuts at the Public Health Service changed the source of funding for the Framingham Study—subsequently funded through grants—and since 1971, the study has been run by Boston University.

In 1983, Wolf joined co-principal William B. Kannel, MD, as co-principal investigator of the Framingham Study, and in 1989 became PI, serving for 25 years until his retirement in 2014.

For many years Wolf was also chief of the Cerebrovascular Disease Section of the Department of Neurology at Boston University School of Medicine and helped direct a number of international cooperative clinical studies of stroke: the NINDS Stroke Data Bank, the Ticlopidine-Aspirin Stroke Study Boston Area Anticoagulation Trial in Atrial Fibrillation, North American Symptomatic Carotid Endarterectomy Trial, and the Clopidogrel-Aspirin Prevention of Ischemic Events Study. In 1981 he became PI of NINDS R01, Precursors of Stroke Incidence and Prognosis, which was repeatedly funded up to the time he retired and continues today. Wolf was also principal investigator of the MRI, Genetics and Cognitive Precursors of Alzheimer's Disease Study, and in 1989, a National Institute on Aging-supported Epidemiology of Dementia Study, both NIH-funded research programs.

"I was fortunate to interact with many of the great minds in stroke, epidemiology, cardiovascular disease, and dementia, and to travel the world to share in their wisdom," says Wolf, now professor emeritus.

It turns out, the longest-running study on heart disease also contributed greatly to knowledge of brain health.

In the 1990s, with the addition of the third generation of subjects, Wolf turned his focus to dementia, silent stroke, and aging, obtaining systematic serial cognitive and brain MRI scans on thousands of the three generations of Framingham Heart Study subjects. His research found that the Stroke Risk Factors profile, as well as genetic factors and family history, were also helpful in determining risk of cognitive decline and dementia.

"It became increasingly apparent that atherosclerotic cardiovascular disease and cardiovascular risk factors are contributors to the development of dementia and cognitive decline and play a role in clinical manifestations of vascular cognitive impairment and Alzheimer's disease," he says. "Systematic assessment of cardiovascular risk factors and disease in midlife for more than 60 years provided an extraordinary opportunity to link them to late life cognitive decline and dementia."

In 1997, Wolf initiated the Framingham Brain Donation Program so study participants could donate their brains after death for further study. As of 2018, the program had received 230 brains, with 572 more participants signed up to donate.

When he retired, Wolf had published more than 350 refereed publications, as well as many abstracts, book chapters and editorials. He has received numerous honors for his contributions, including the Jacob A. Javits Neuroscience Award from the National Institute of Neurologic Diseases and Stroke; the Humana Award for Excellence in Clinical Stroke from the Stroke Council of the American Heart Association; the Mihara Award from the International Stroke Society; C. Miller Fisher Award from the American Stroke Association; the Paul Dudley White Award from the American Heart Association, and an honorary doctor of science degree from Upstate Medical University.

Wolf is certainly proud of his work identifying risk factors for disease, findings that impacted his own life. Like many people at the time, both he and his wife, Bobbie, were smokers. "We decided we had to quit and we were advised to get outside and go for walks," Wolf recalls. It was January and Bobbie started running to keep warm; he joined her in what has become a life-long pursuit. Bobbie completed five 26.2 mile marathons and Wolf completed nine, including the Boston Marathon five times and New York City Marathon twice.

"I'm still running at 84," says Wolf, who now divides his time between Cape Cod and Florida. "I don't run fast and I don't run far, but good things happen when you're fit—your blood pressure comes down. Your cholesterol and blood sugar comes down. Your weight comes down. And your vascular fitness is terrific."

In addition to the study's contribution to medical knowledge, Wolf is also gratified by its continuing legacy. "It became a prototype for epidemiologic studies of disease in communities," he says. "People came from all over the world to spend time looking at various aspects of our data and to collaborate." A number of former students and fellows have pursued careers in clinical and epidemiologic study of stroke and dementia.

"There are now studies all over the country and world," says Wolf, "not just this one suburban Boston town."



In addition to his wife of 52 years, Wolf says he gets great joy from his son, daughter, and his seven grandchildren, pictured at the b'nai mitzvot of twin grandsons Ethan and Sam in March 2019.

Surviving Cancer

Outstanding Young Alumnus Jonathan Fish, MD '00, is an advocate for patient and physician wellbeing.



s any cancer survivor knows, beating their disease is only the beginning of the battle. Many cancer treatments can have long-lasting impacts, and children treated for cancer are particularly affected. "Most survivors of childhood cancer will experience a chronic health condition as a consequence of the treatment they received," says Jonathan Fish, MD '00, associate professor of pediatric hematology/oncology at Cohen Children's Medical Center (CCMC) of New York. "There are half a million childhood cancer survivors in the United States who have significant chronic health conditions as a consequence of their treatment that need to be followed and addressed by people who specialize in doing that."

Thirteen years ago, Dr. Fish received a Career Development Award from the St. Baldrick's Foundation to develop a program for long-term survivors of childhood cancer and transplant at his institution. Today, the Survivors Facing Forward program at CCMC follows more than 800 survivors, monitoring and screening for late effects of cancer therapy and cancer surgery, providing the physical screening, health maintenance, and mental health and psycho-social supports important for this group.

"Cure is not enough," says Fish, the recipient of the Upstate Medical Alumni Foundation's 2020 Outstanding Young Alumnus Award. "That's the motto of our field."

Fish says that chemotherapeutics and radiation treatments lead to particular risks. For example, a female child who received radiation to the chest for Hodgkins lymphoma, Wilms tumor, or other cancer, has the same risk of developing breast cancer as a woman with a BRCA1 mutation. As a result, "screening for that population group needs to be modified to begin at a much younger age than would be normal," Fish says.

In addition to a host of specific risk factors that primary care physicians may be unfamiliar with, Fish says counseling is also an important component of survivorship care. "Cancer survivors have substantial risks, many of which are modifiable through lifestyle changes," he says.

"They also have a lot of psycho-social challenges. If you're treated as a teenager for cancer, it's an affront to your sense of immortality and it changes you. You get pulled out of school for however long and then you lose all your hair. When treatment is over, you're told, 'Congratulations, go back and rejoin your cohort.' It often doesn't work that well."

But cancer treatment is not only hard on patients. It takes a toll on their doctors as well, another area where Fish is making an impact.

In 2017, Fish received a Fellow in Leadership Award from Alpha Omega Alpha, which provided funding and mentorship from top leaders in medicine to develop a personal leadership project. He chose wellbeing.

"This field is not easy," Fish says. "You're dealing with families at the worst moment of their lives. And you're dealing with sick kids, many who are going to die."

When he began his career 20 years ago, Fish says the prevailing attitude was "just deal with it, even if that means going home and drinking a bottle of wine and kicking the cat," he says.

He thought that was ridiculous. "Lots of other intense fields—police, firefighters, military—have structured methods of addressing that kind of stress and chronic challenge," he says. "There's no reason medicine shouldn't as well."

"In this field, there are two different types of stresses. There's the chronic daily existence of dealing with distressed families and distressed colleagues and sick kids," he explains. "And then there are what we call critical incidents: an unexpected death, a medical error, or lawsuit. These are specific critical incidents that can have a profound impact on performance in that moment."

Fish connected with an organization called the International Critical Incident Stress Foundation that trains critical incident stress management teams in different areas to help him build a critical incident stress management team for medicine. He then recruited 15 volunteers from across the Division of Pediatric Hematology/Oncology—nurses, physicians, child life specialists, chaplains,

social workers—to form a team that provides 24/7 coverage for critical incident calls.

Fish says the HOPES (Helping Our Peers Endure Stress) Team has changed the culture in the division in terms of how practitioners handle the stress of working together in their intense, high-risk field.

"It's now perfectly fine to acknowledge that what we do is stressful and these critical incidents can impact us," he says. "People know now there's a support team out there they can call at any moment and get some help from peers who understand what they're experiencing."

As chair of the wellbeing special interest group for the American Society of Pediatric Hematology/ Oncology, Fish is hoping to spread the model beyond his institution and push national awareness to address the unique stresses of the profession. "We're expanding the conversation and I think that that's a big step forward for our specialty," he says.



Dr. Fish speaking at Survivor's Day

"In this field, there are two different types of stresses. There's the chronic daily existence of dealing with distressed families and distressed colleagues and sick kids. And then there are what we call critical incidents: an unexpected death, a medical error, or lawsuit. These are specific critical incidents that can have a profound impact on performance in that moment."

ronically, Fish says he was drawn to the field of pediatric hematology/oncology in the first place because he perceived it as "hard."

"I have never in my life managed to take paths more travelled or the easier route," he says.

Fish excelled as a medical student at Upstate and says the scientific inquisitiveness, compassion, and leadership exhibited by faculty and staff led directly to his pursuit of an academic career. Graduating at the top of his class and as a member of Alpha Omega Alpha, he could have chosen any field.

He says he didn't have the dexterity or ability to stand still for long periods required by neuro-surgery, and saw pediatric hematology/oncology as the "Everest" of medicine.

"From a personal interaction and cognitive standpoint, I viewed it as something that not everyone was able to do, and therefore, I was determined to try it," he says. "It's not a specialty focused on an organ, but on categories of disease that affect all parts of the body. You have to have a very broad understanding of medicine. So it's scientifically and medically challenging, and of course it tests the mettle of your psychology and fortitude."

Following a residency and chief residency year in pediatrics at Schneider Children's Hospital in New York, Fish completed a fellowship in pediatric





Fish with his wife, Leah, and three children

hematology/oncology at Children's Hospital of Philadelphia (CHOP). He spent three years there (two as a fellow, another as an instructor) working in the laboratory of Stephan A. Grupp, MD, PhD, where he was fortunate to be part of the early pre-clinical work on chimeric antigen receptor T cell (CAR-T) therapy for pediatric acute lymphoblastic leukemia. That work would later receive a Young Investigator award from the American Society of Pediatric Hematology/Oncology.

"I killed a lot of mice," Fish recalls. "Hopefully they have nothing to do with the afterworld or I'm in a lot of trouble."

Simultaneously, he gained clinical experience in hematopoietic stem cell transplantation, skills he would put to use in his next role.

After the birth of their third child, Fish and his wife Leah, an optometrist, decided to return to New York and he accepted a faculty position at the hospital where he completed his residency, now called the Cohen Children's Medical Center.

Over his tenure, he has divided his time between the Survivors Facing Forward program and conducting stem cell transplants. He also assumed editorship of the popular textbook in his field in 2015, publishing the sixth edition of Lanzkowsky's Manual of Pediatric Hematology and Oncology. He's currently in the midst of preparing the seventh edition, an enterprise encompassing 35 chapters contributed by 66 authors from 28 institutions.

But Fish is excited to be at the forefront of a revolutionary new treatment option.
In September, CMCC was approved as a KYMRIAH Center. KYMRIAH is the brand name of the CAR-T therapy developed at CHOP that he worked on as a fellow. It received FDA approval in 2017 as the first cellular therapy. "This is a complete game changer," says Fish, who is transitioning to a leadership role at CMCC's Cellular Therapy program.

Cancer treatment began with non-specific drug molecules—the first chemotherapies developed in the 1940s. Then came more targeted therapies for some cancers, and eventually, the development of immune-based therapies, mostly antibodies targeted to specific markers on cancers.

But Fish describes CAR-T as reprogramming a person's own immune system to go after their specific type of cancer. "Rather than using external approaches to try to treat the cancer, we're reprogramming the immune system to kill it," he says. "That type of cellular therapy—taking lymphocytes, specific immune cells, and teaching them to attack the cancer—is a complete paradigm shift. And it's had a huge impact already, in both pediatric leukemia and adult lymphoma."

Having been involved in the early development of the therapy, Fish says it is particularly meaningful to be able to treat patients with it in the clinical setting. "For me, it's closing the circle," he says. "I can't wait to see what's next."

Out of Trauma, Support for Others to Heal

Elizabeth and Stephen Alderman, MD '65, honored their son, killed on 9/11, by bringing mental health treatment to trauma victims around the world.

n September 11, 2001, Stephen Alderman, MD '65, and his wife Elizabeth were enjoying the second week of his 60th birthday trip to France. Their three children—Jeff, Jane, and Peter—had joined them for the first week and left three days prior.

The couple was in the medieval village of Rousillon when a tearful shopkeeper broke the news of plane crashes in the United States.

Unable to get a cell signal, the Aldermans waited anxiously to hear from their children. Jeff was safe in Oklahoma. Jane was fine in Washington, DC, where her building had been evacuated. But Pete had been trapped on the 106th floor of the World Trade Center, attending a work conference at Windows on the World.

The trauma of losing their 25-year-old son was almost too much to bear. Dr. Alderman, unable to maintain concentration, retired his position as chair of radiation oncology at White Plains Hospital. Sleepless nights became the norm for Liz, a retired special education teacher, and it was during one of those that she happened to turn on the TV to a *Nightline* segment about the plight of migrating refugee children, featuring Richard Mollica of the Harvard Program in Refugee Trauma.

"She got a bee in her bonnet," Alderman recalls. A week later, they were meeting with Mollica in his office in Cambridge.

The Aldermans learned that nearly a billion people—one-sixth of the world's population—have directly experienced torture, terrorism or mass violence through civil war, ethnic cleansing, or genocide. Many are so debilitated by their emotional wounds they are unable to function: to work or care for themselves or their families. Effective treatment simply did not exist in the developing world.

They understood trauma. Searching for a way to honor their late son, the Aldermans thought they

could perhaps do something to help others heal their emotional wounds. A year after 9/11, the Aldermans established the Peter C. Alderman Foundation (PCAF) with the goal to bring mental health treatment to victims of terrorism and mass violence in countries around the world. They used the compensation funds given to 9/11 families, along with Peter's estate and their own money, to fund it initially.

In the nearly 20 years since, PCAF has trained hundreds of medical doctors and psychologists in 22 countries to diagnose and treat trauma

victims. They in turn have trained several thousand mental health professionals. The foundation launched nine mental health clinics in Burundi, Cambodia, Kenya, Liberia, and Uganda; published a journal, The African Journal of Traumatic Stress; and produced evidencebased findings on global mental health published in peerreviewed literature,

including The Lancet.

The impact has been profound. By creating on site mental healthcare systems in areas where unspeakable violence has desecrated communities, PCAF has helped to rebuild those communities by restoring normal function to war-affected populations through the development of individual resilience.

"Clinical medicine has to be done patient by patient and family by family," says Alderman, whose efforts have been recognized with the 2009 Purpose Prize, the 2011 Presidential Citizens Medal,



Peter C. Alderman



Alderman, MD '65, Humanitarian Award winner



Participants at a Pan-African Trauma Conference held in Nairobi.

Upstate Medical University
Upstate Medical
Alumni Foundation
Humanitarian Award
2020

and Upstate Medical Alumni Foundation's Humanitarian Award in 2020. "But if you keep doing it, and doing it, and doing it, you can bring back a

community. What you're doing is reinstituting social capital by replacing feelings of hate and revenge in waraffected people with trust for each other and their institutions."

r. Alderman never imagined making an impact on global health. He set out to be a cancer surgeon. He was a senior surgical resident at University of California in San Diego when his first

child was born and vividly recalls coming home from yet another long hospital shift and picking up his baby, who began crying at the strange man holding him. "He didn't know who the hell I was," recalls Alderman. "I thought, 'this is no way to live."

The next day, he went to his hospital's department of radiation oncology and asked if he could do a residency. When he finished, in 1973, he was one of only 300 board-certified radiation oncologists in the country. He then moved his family to New York City to work.

"I had a choice of 15 jobs. It was easier to find a job than a New York City apartment," he recalls.

During his career, Alderman served as chair of radiation oncology at Roosevelt-St. Lukes Hospital and assistant clinical professor at Columbia University; followed by chair of radiation oncology at Catholic Medical Center and associate professor at New York University. He also had a private practice in White Plains and served as chair at White Plains Hospital.

At age 49, Alderman discovered he had a brain aneurysm and underwent successful brain surgery at the University of Virginia. Two weeks later, he suffered a heart attack. With new perspective, he retired from his "city practices" and kept only his "country practice" until he fully retired at 61.

A self-described "learner," Alderman began to study all he could about war-induced trauma. One thing was immediately clear, and that was the importance of cultural competency. "If you want to drop into a foreign country and fix a cleft palate, that's fine. It's repaired. But if you're trying to talk to someone about their fears, hopes, and dreams, you have to have a sense of their culture, their norms," he says. In other words, the medical mission model wasn't going to work

in non-Western post-conflict settings.

Instead, working with Mollica, they funded a series of annual "master classes" in Italy over seven years, bringing in pairs of practitioners from nations including Cambodia, Iraq, Afghanistan, Uganda, Rwanda and Haiti, and providing them specialized training in treating patients with trauma.

But over time, the Aldermans realized they weren't making the kind of impact they'd hoped for. Often, these doctors went back to their countries and nothing meaningful materialized because they didn't have funding to treat people or they couldn't get medications. "They needed infrastructure," he says. "We realized we needed to get involved with governments both on the national and local levels."

So he did. Alderman began by visiting a clinic in Siem Reap, Cambodia, where there was both a psychiatrist and family doctor who had attended the foundation's training. After a political shake up, the clinic had lost its funding. Alderman met with the Minister of Health and offered to provide the staff salaries and training in exchange for use of the clinic space and consumables, such as psychotropic medications. He agreed. Just like that, PCAF morphed from family foundation to public–supported NGO.

In the first year, the clinic treated 1,400 patients and had a seven-month waiting list. "A lot of the patients were coming quite a distance," says Alderman. He met again with the Minister of Health, who agreed to open a second clinic 20 kilometers away. "Those two clinics treated 10,000 patients in the first two years and it just grew from there," he says.

Based on contacts made through their master classes, Alderman began reaching out to physicians in other countries and traveling to those sites to work with governments to forge similar agreements to that in Cambodia. Government willingness to participate became a chief criteria—along with an intact infrastructure and relative stability—for choosing the countries in which to work. In each country, caregivers were indigenous professionals

trained to deliver evidence-based treatment adapted to cultural norms.

The foundation
has also provided training
for caregivers in places
where ongoing conflict
made it impossible to
establish programs.
Employing a train-the
trainer model enhanced
by continuing supervision, the foundation
built capacity in 22
post-conflict countries
on five continents.

Sub-Saharan Africa became a major focus area, with the foundation launching the East African Training Seminar

in Kampala, Uganda, to teach doctors, psychologists, psychiatric social workers, and nurses from Burundi, Democratic Republic of the Congo, Ethiopia, Kenya, Liberia, Rwanda, Somalia, Sudan, Tanzania, Uganda, and Zimbabwe. For nine years, the foundation sponsored an annual multidisciplinary Pan-African conference on psychological trauma in war-affected societies, an endeavor that cost \$100,000 annually to host.

Despite the fact that more people in Africa suffer from traumatic depression than from malaria, tuberculosis, and HIV/AIDS combined, post-traumatic stress disorder had been largely neglected in the developing world.

"PCAF was the first and only systematic effort to deal with massively-traumatized populations in Africa and southeast Asia," says Alderman. "A sustainable system had never been created before."

All of these efforts took money, much more than could be funded from the initial investment in PCAF. The foundation's annual budget had grown to \$1.25 million. "We were constantly fundraising," says Alderman. "When we weren't in Africa, we were traveling back and forth to Boston, Washington, DC, San Francisco, holding events and applying for grants," he says.

With the Aldermans getting older, they were feeling the pressure to build the foundation's endowment to continue its work into perpetuity.

"The work was really healing. What it comes down to is something outside yourself. Something that's bigger than you, that employs you. And you just don't have time to think about bitterness and revenge or anger. Of course, your sadness is always with you, but you're just too busy."

By serendipity, they found a better solution.

In 2018, the Aldermans were approached by HealthRight International, an organization housed at New York University's School of Public Health that creates sustainable programs to promote and protect health and human rights in the United States and abroad. HealthRight was interested in the foundation's work, in particular, its presence in Africa and track record of producing and publishing evidence-based research.

In November 2018, HealthRight and the Peter C. Alderman Foundation

announced a merger. Half of the foundation's board—including the Aldermans—now sit on the board of HealthRight, which assumed all administrative responsibility for the foundation's activities and personnel. Once again, the Aldermans were retired.

For his part, Alderman says he never in a million years dreamed the foundation's impact would become so broad or far reaching. "Had I known at the outset what PCAF required, I'd have turned over and gone back to sleep," he says. "People ask how we did it. We don't know; at the time, it seemed one thing built on another, in a rational progression."

Undoubtedly, devoting themselves to the efforts of the foundation was salve for their own trauma. "The work was really healing," says Alderman. "What it comes down to is something outside yourself. Something that's bigger than you, that employs you. And you just don't have time to think about bitterness and revenge or anger. Of course, your sadness is always with you, but you're just too busy."

Alderman says he and Liz created the foundation to leave a mark that Peter had existed, that the world would be a better place because he had lived. They fulfilled that mission, and then some.

Says Alderman, "This was a way for me to think about Pete every day."



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College of Medicine students outside Weiskotten Hall in the 1940s



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TOTAL GIVING \$8,450

Percentage of Giving 34%

\$1,000-\$2,499 Anonymous David H. Adamkin

\$500-\$999

James H. Brodsky Janet F. Cincotta Stephen P. Heyse Howard E. Miller

\$100-\$499 lack A. Aaron Jeffrey A. Abend



lack L. Baldassare Joseph A. Blady Stephen Cooper Robert A. Edelman Philip L. Florio Alan D. Freshman Aaron L. Friedman Leon I. Gilner James Peter Gregoire Charles W. Hewson lohn M. Horan Lia E. Katz Gary M. Kohn Joseph P. LiPuma James T. Marron Dennis R. Novak Teresa J. Pagano-Parke Robert G. Parke Jay M. Ritt Leo J. Scarpino Philip Schulman Michael W. Slome Stuart O. Tafeen Albert I. Tydings Mark C. Webster Stephen J. Wieder

\$1-\$99David B. Kassoff
Niki Kosmetatos

1975

TOTAL GIVING \$32,800

Percentage of Giving 33%

\$10,000-\$24,999 David A. Lynch

\$5,000-\$9,999B. Dale Magee

\$1,000-\$2,499 Gary C. Brown Ira Kastenberg Mark H. Katz Joseph D. Verdirame

\$500-\$999 Anonymous Glenn Champagne Joseph A. Cincotta Donald Fagelman John D. Fey Phillip C. Gioia Charles I. Hecht Gretchen H. Rooker Walter H. Short

\$100-\$499 Louis Bland Jeffrey J. Boxer James A. Dispenza Edmund D'Orazio Jay A. Erlebacher Judy S. Fuschino Emile H. Galib Robert M. Goldberg **Bruce Greenstein** Paul M. Grossberg Joseph W. Helak Richard F. Kasulke Jonathan Lowell Alan N. Meisel David J. Novelli

CLASS SCHOLARSHIPS AND AWARDS

1965 MEMORIAL CLASS SCHOLARSHIP

Donald L. Jeck, MD '65 Robert A. Sargent, MD '65

1966 CLASS SCHOLARSHIP

Mark D. Aronson, MD '66 Nathan Billig, MD '66 Norman L. Fienman, MD '66 Neal M. Friedberg, MD '66 A. Michael Kaplan, MD '66 Laurence B. Levenberg, MD '66 Robert A. Levine, MD '66 George H. Newman, MD '66 Bonnie M. Norton, MD '66 Louis A. Rosati, MD '66

1968 CLASS GIFT

Bruce W. Berger, MD '68 Harvey K. Bucholtz, MD '68 Cathey E. Falvo, MD '68 Kenneth A. Falvo, MD '68 David J. Greenfield, MD '68

1971 CLASS SCHOLARSHIP

Lawrence F. Geuss, MD '71 Richard A. Goldman, MD '71 Eugene M. Kenigsberg, MD '71

1977 CLASS SCHOLARSHIP

Robert H. Fabrey, II, MD '77 Charles C. Gibbs, MD '77

1979 CLASS SCHOLARSHIP

Sharon L. Abrams, MD '79 Joseph G. Battaglia, MD '79 Robert M. Constantine, MD '79 James P. Corsones, MD '79 Joan S. Dengrove, MD '79 Mark S. Erlebacher, MD '79 Barry F. Kanzer, MD '79 David Kassel, MD '79 Ann Kasten Aker, MD '79 Mark L. Moster, MD '79 Marlene R. Moster, MD '79 Richard A. Muller, MD '79 Linda M. Rice, MD '79 Elizabeth A. Rocco, MD '79 Neal M. Shindel, MD '80 Marc A. Subik, MD '79 Gregory White, MD '79

THE FRIENDSHIP SCHOLARSHIP

in honor of Ernest Found, MD '80, in memory of his wife, Ellyn and his daughter, Caroline

Madeline Barott, MD '80 John L. Marsh, MD '79

RICK ZOGBY, MD CLASS OF 1984 MEMORIAL SCHOLARSHIP

John M. Marzo, MD '84

BRIAN P. SORRENTINO, MD CLASS OF 1985 MEMORIAL SCHOLARSHIP

Robert C. Berlin, MD '85 Stephen F. Coccaro, MD '85 Mark Costanza, MD '85 Coleen K. Cunningham, MD '85 Donna F. Desmone, MD '85 Anthony J. diGiovanna, MD '85 Grace Federman Lori J. Mosca, MD '84 Ralph S. Mosca, MD '85 Maureen T. Murphy, MD '85 Anthony N. Passannante, MD '85 Gary G. Sauer, MD '85 Andrew Shaer, MD '85 Suzanne B. Sorrentino

ADAM OBERLANDER, MD CLASS OF 2005 MEMORIAL SCHOLARSHIP

lason Provus, MD

Samuel N. Pearl Stuart J. Sorkin Kenneth I. Steinberg James A. Terzian

\$1-\$99 Ken Grauer

1976

TOTAL GIVING \$10,850 Percentage of Giving 24% **\$2,500-\$4,999** Janice M. Nelson

\$1,000-\$2,499 Marc Levenson Leon Mullen Patrick J. Riccardi Christopher G. Ullrich

\$500-\$999 Richard M. Alexander Richard M. Cantor Michael H. Mason \$100-\$499 Allen D. Alt Gerald A. Cohen James F. Cornell Susan J. Denman Dennis L. Feinberg Michael A. Finer Anthony J. Fraioli Thomas W. Furth Irving Huber Frank J. Kroboth Leonard H. Madoff Julia A. McMillan Lorinda J. Price Thomas J. Rakowski Howard Sackel Mark A. Schimelman Margaret A. Sennett

\$1-\$99William M. Nauseef
William N. Schreiber

1977

TOTAL GIVING \$58,080

Percentage of Giving 30%

\$50.000 AND ABOVE Peter D. Swift

\$1,000-\$2,499 Charles C. Gibbs Donald S. Stevens

\$500-\$999 Gerard R. Hough Gary Wood

\$100-\$499

Paul F. Bachman Richard J. Baron Johana Kashiwa Brakeley John Canale Theodore D. Close Larry Consenstein Ronald Criscitiello John J. Cucinotta Gary Dunetz Robert H. Fabrey, II Henry S. Friedman Philip D. Gottlieb Steven Kant Lester Kritzer Debra Kuracina Thomas J. LaClair Drake M. Lamen William R. Latreille Celeste M. Madden John M. Manring Charles L. McCord Anthony Scardella James A. Schneid Carolyn A. Smith Joanne L. Wible-Kant Mark W. Zilkoski

\$1-\$99 Arunas A. Budnikas

1978

TOTAL GIVING \$19,330

Percentage of Giving 29%

\$10,000-\$24,999 Bruce M. Leslie

\$1,000-\$2,499

Frederick Arredondo Edward F. Higgins, Jr. Maureen E. McCanty Gary M. Yarkony

\$500-\$999 Stephen L. Cash Michael J. Moeller

\$100-\$499 Anonymous David Auerbach Judy A. Beeler Mark Belsky Patrick S. Collins Robert W. Eitches Sharon A. Falkenheimer Robert Fulop Marie A. Ganott Gerald N. Goldberg Diane F. Green-El Robert J. Kitos Ronald D. Klizek Michael Lustick Jean-Bernard Poulard Stephen E. Presser Catherine Stika John N. Talev James J. Vacek Irene O. Werner

\$1-\$99

A. James Ciaccio Herbert E. Mendel Ronald W. Pies Neal Rzepkowski James A. Shaw Richard J. Steinmann

1979

TOTAL GIVING \$20,625

Percentage of Giving 26%

\$5,000-\$9,999 Mark S. Erlebacher

\$2,500-\$4,999 Marc A. Subik

\$1,000-\$2,499

Joseph G. Battaglia Cynthia A. Battaglia-Fiddler

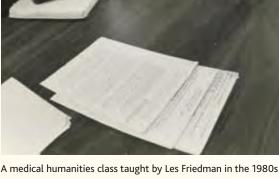
Barry F. Kanzer Ann Kasten Aker John L. Marsh Elizabeth A. Rocco Gregory White

\$500-\$999

Steven L. Batki Ioan Carroll James P. Corsones Joan S. Dengrove Richard M. Goldberg David Kassel Richard A. Muller Lawrence Semel James A. Trippi

\$100-\$499

Sharon L. Abrams Henry Adam Robert J. Balcom Robert M. Constantine David H. Dube Adrienne Greenblatt Teresa R. Miller



Mark L. Moster Marlene R. Moster Linda M. Rice K. Bruce Simmons

1980

TOTAL GIVING \$17,525 Percentage of Giving 36%

\$1,000-\$2,499 Mark D. Brownell David A. Goodkin Andrew W. Gurman Peter C. Johnson Michael D. Privitera

Bradley A. Woodruff

\$500-\$999

John F. Quinn

Madeline Barott Mary Blome Robert D. Bona Allan E. Hallquist Lowell L. Hart Gregory G. Kenien Reginald Q. Knight John Shavers Neal M. Shindel John H. Soffietti Nicholas J. Stamato Robert M. Vandemark

\$100-\$499 Jeffrey S. Abrams Marc H. Appel Gerald Barber Peter T. Brennan Michele A. Cook Timothy E. Dudley Gary C. Enders John F. Fatti Kenneth Friedman David Greenblatt Scott R. Greenfield Edward C. Gross Bonnie D. Grossman Ruth H. Hart Marilyn Krch Paul Menge Robert Mitchell Gerald B. Rakos Stephen M. Silver Peter J. Stahl Marshall Trabout Alexander E. Weingarten Nora W. Wu

\$1-\$99 Deborah W. Robin

1981

TOTAL GIVING \$21,618

Percentage of Giving 26%

\$10,000-\$24,999 Ralph L. Stevens

\$1,000-\$2,499 Charles M. Franklin Arnold Goldman Paul L. Kuflik

\$500-\$999

Sharon A. Brangman Steven M. Connolly William W. Faloon, Jr. William P. Hannan Martin P. Jacobs Robert G. Shellman Carol A. Simmons

\$100-\$499 Paul L. Asdourian Wendy L. Balopole Jody S. Blanco Gary D. Dean Margot L. Fass Steven P. Galasky Michael R. Gilels David C. Goodman David G. Greenhalgh David B. Grossberg David E. Kolva Gerald A. Lauria James A. Longo Lizanne F. Mitchell Louis M. Papandrea Peter G. Ronan Richard M. Steinbruck Kathleen Stoeckel Scott A. Syverud Stuart W. Zarich

\$1-\$99 Ellen M. Kaczmarek Gary M. Russotti William D. Ryan, Jr.

1982

TOTAL GIVING \$66.840

Percentage of Giving 30%

\$25,000-\$49,999 Robert A. Dracker

\$2,500-\$4,999 James J. Cummings Anne H. Rowley Stephen M. Rowley Charles J. Ryan, III

\$1,000-\$2,499 Harold Richter

\$500-\$999

Thomas A. Bersani Robert C. Cupelo Joseph J. Fata Brett P. Godbout Alan J. Goodman Gary B. Kaplan Ann M. Lenane Charles W. Mackett Robert McCann Norman R. Neslin David M. Novick Dennis S. Poe

Frank Rhode Sophia Socaris William S. Sykora William S. Varade Theodore Vermont

\$100-\$499

Bruce K. Barach Monica M. Beckford Frederick J. Bunke Joseph Cambareri Louis M. Cohen Thomas E. Coyle Kenneth R. Epstein Valerie J. Fein-Zachary Gloria Korta Dorothy R. Lennon David S. Marlin Leon Martin, Jr. Eileen M. Murphy Robert B. Poster Mark A. Rothschild Henry W. Schoeneck Lawrence C. Stewart Pamela L. Sunshine Jeffrey E. Sussman Sherry C. Sussman John S. Tsakonas Nicholas G. Tullo Pamela D. Unger Amy J. Yale-Loehr Steven Yarinsky

\$1-\$99 Susan H. Leeson Joseph A. Smith

1983

TOTAL GIVING \$12,937

Percentage of Giving 24%

\$1,000-\$2,499 Larry N. Bernstein Kevin M. Coughlin Dennis D. Daly Joseph H. Keogh

Paul P. Romanello

\$500-\$999

Lloyd M. Cook George N. Coritsidis Karen K. Heitzman Debra I. Poletto Gary D. Usher

\$100-\$499

Anonymous (2) Richard G. Birkhead Christopher A. Clyne Ronald R. Domescek Norman R. Friedman Seth S. Greenky Jules Greif Ellen B. Kaplan Lya M. Karm Joseph P. Laukaitis Robert Lowinger Robert J. Ostrander Richard F. Russell Brian F. Sands Susan E. Schraft Douglas L. Seidner Joan L. Thomas Elizabeth A. Valentine Charles I. Woods Darryl A. Zuckerman

\$1-\$99 Wanda P. Fremont Ellen M. McHugh Marcy E. Mostel

1984

TOTAL GIVING \$18,643

Percentage of Giving 24%

\$2,500-\$4,999Steven M. Shapiro

\$1,000-\$2,499

David J. Anderson Linda Burrell Emanuel Cirenza Steven B. Cohen William M. Hartrich Amy L. Ladd John M. Marzo Lori J. Mosca Pamela J. Reinhardt

\$500-\$999

Lydia A. Alexander-Cook John S. Andrake Frederick D. Grant Sandra M. Lombardo Donald Patten Dorothy F. Scarpinato Michael D. Schwartz Elizabeth S. Yerazunis Palis

\$100-\$499

Eva F. Briggs William P. Bundschuh Hal E. Cohen Richard D. Cornwell George T. Fantry David P. Haswell Cynthia E. Johnson Michael Komar Richard Lichenstein Hindi T. Mermelstein Vicki C. Ratner David C. Richard Hal Rothbaum Richard D. Scheyer Maria Tasso Longo Steven R. Urbanski Brian D. Woolford Robert A. Zamelis

\$1-\$99 Harold M. Augenstein

1985

TOTAL GIVING \$49,285

Percentage of Giving 32%

\$25,000-\$49,999Robert C. Berlin

\$2,500-\$4,999William Canovatchel
Peter J. Christiano

\$1,000-\$2,499 Timothy McCanty Ralph S. Mosca Maureen T. Murphy Michael A. Riccione Gary G. Sauer Neal Zung

\$500-\$999

Grace Chung Mary C. DeGuardi Stephen G. Federowicz Carol Lundin-Schwartz Lauren Michalakes Anthony N. Passannante Joel Schwartz Jonathan P. Yunis Robert M. Zielinski Mitchell Zipkin

\$100-\$499

Robyn Agri Joseph P. Augustine James M. Callahan Debra J. Clark Stephen F. Coccaro Gerard A. Compito Mark Costanza Coleen K. Cunningham Donna F. Desmone Anthony J. diGiovanna Jeffrey Doskow Lori E. Fantry Karl Gauss Paula A. Gauss Robert V. Hingre Thomas Kantor Vito J. Losito Frank M. O'Connell Michael P. Pizzuto Maura J. Rossman Marc I. Rozansky Michael D. Rutkowski Alan M. Schuller Andrew Shaer Sandra K. Wechsler

\$1-\$99 Michelle M. Davitt Mark A. Fogel

1986

TOTAL GIVING \$12,495

Percentage of Giving 22%

\$1,000-\$2,499 Colleen M. Dargie Daniel W. Esper Kathleen A. Leavitt Thomas J. Madejski Henry P. Nagelberg Michael E. Rettig

\$500-\$999 Gabriel M. Cohn Gary M. Freeman Steven B. Goldblatt Russell Rider Mitchell S. Shek

\$100-\$499

Eduardo A. Arazoza Georgianne Arnold Marc Behar Michele Berger Simmons William Blau Peter Capicotto James B. Carroll Peter Kouides Daniel Luthringer Gerald V. McMahon Niel F. Miele Elizabeth A. Prezio Toufic A. Rizk David L. Rocker Richard A. Romer Donna E. Roth Ernest M. Scalzetti Scott Sheren Marc Z. Simmons Brian K. Smith

\$1-\$99

James H. Hertzog Andrew Topf

1987

TOTAL GIVING \$6,975

Percentage of Giving 17%

\$1,000-\$2,499Ronald S. Gilberg

Ronald S. Gilberg Michael A. Kwiat

\$500-\$999

Rosemarie Conigliaro Joseph T. Flynn Paul B. Kreienberg Rebecca K. Potter

\$100-\$499

Mark D'Esposito Joseph F. Femia Paul Fiacco Barbara L. Gannon Dan Gerstenblitt Dennis Kelly Ruth Kouides Kirsten P. Magowan Lisa A. Manz-Dulac Jeanine M. Morelli Peter J. Morelli Daniel J. Murphy Elizabeth Rajamani Edward J. Spangenthal James Tyburski

\$1-\$99

Daniel DiChristina Roberto E. Izquierdo Anthony R. Russo Barbara Stouter

Catherine M. Vernon

1988

TOTAL GIVING \$11,223

Percentage of Giving 17%

\$2,500-\$4,999 Alice S.Y. Lee

\$1,000-\$2,499

Erick C. Bulawa Larry S. Charlamb Maureen L. Sheehan

\$500-\$999

Louis Bonavita, Jr. Teresa J. Karcnik-Mahoney Donald S. Miller Timothy Scholes Keith Stube

\$100-\$499

Johanna Daily
Andrew M. Goldschmidt
David J. Hoffman
Leo Katz
Michael Lastihenos
Denise Lawrence
Michael Mahelsky
James L. Megna
Ellen Reich
Elissa S. Sanchez-Speach
Adam L. Seidner
David P. Speach
Thomas Summers
David T. Terasaka
Paul A. Zimmermann

\$1-\$99

Richard Ostreicher Holly Sikoryak

1989

TOTAL GIVING \$9,090 *Percentage of Giving 17%*

\$1,000-\$2,499

Trent Erney John A. Larry Josef J. Vanek

\$500-\$999

Karen DeFazio Beth L. Jonas Roger Padilla Linda J. Powell Marc S. Rudoltz Stephen R. Weinman

\$100-\$499

Deborah B. Aquino Victor M. Aquino Susan L. Auffinger R. Eugene Bailey Jeffrey Belanoff Linda A. Bulich Carolyn Coveney Caitlin M. Cusack Angela V. D. D'Orsi Thomas A. Holly Andrew G. Moskovitz G. Michael Orti J. Marc Pipas Mark A. Rubenstein Ronald C. Samuels Sybil Sandoval Elaine M. Silverman Nicholas C. Trasolini

\$1-\$99

John D. Wrightson

1990

TOTAL GIVING \$9,325

Percentage of Giving 19%

\$1,000-\$2,499

John D. Bisognano Robert L. Carhart, Jr. Jill Freedman Cynthia Gingalewski David R. Nelson

\$500-\$999

Lawrence S. Blaszkowsky Susan V. Rockwell Ninad Samant

\$100-\$499

Ann Barton Ronald J. Costanzo James M. Dennison Kerry E. Houston Kelly R. Huiatt Cynthia Jones Timothy Kitchen Joseph Marsicano Heidi F. Moskovitz Edward K. Onuma

SARAH LOGUEN FRASER, MD CLASS OF 1876 SCHOLARSHIP FOR MINORITY RECRUITMENT

Anonymous (2) Louis Bland, MD '75 Sharon A. Brangman, MD '81 Susan H. Keeter Ivens Leflore, MD '69 Vanessa E. Lowe, MD '02 Lisa Minsky-Primus, MD '00 Donna B. Moore, MD '93

Joan E. Pellegrino Gail Petters Clark Philogene Pasquale Picco Patricia Saunders John H. Van Slyke Stacia L. Van Slyke Luci M. Yang

\$1-\$99 Philip Remillard

1991

TOTAL GIVING \$12,650

Percentage of Giving 18%

\$1,000-\$2,499

Mark Charlamb Bradley P. Fox Patrick B. Gregory Christina LaBella Iohn LaBella Joan O'Shea Anne M. Ranney Jeffrey Roth

\$500-\$999

Matthew R. Brand Allison Hanley Louise G. Ligresti Joanne Samant Nancy L. Wang

\$100-\$499

John C. Brancato Gwenneth O. Cancino Elizabeth Ditonto Edward C. Gabalski Lawrence Goldstein Gordon D. Heller Thomas Larkin Denise C. Monte Christopher Nardone Daniel O'Hearn David Rosen Cheryl D. Wills

\$1-\$99 Nora E. Bolanos

1992

TOTAL GIVING \$7,868

Percentage of Giving 19%

\$1,000-\$2,499

Douglas Bennett Jane S. Bennett Barbara L. Clayton-Lutz Alan Kravatz Stephanie Schwartz-Kravatz

\$500-\$999

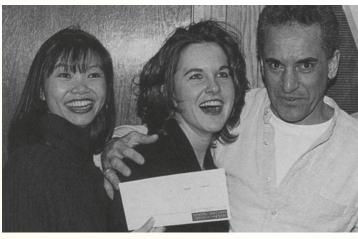
Andrew Cooperman Joseph Damore, Jr. Mary Elizabeth Damore Steve Y. Kim

\$100-\$499

Michael Baccoli David Caucci Lisa Cupit Dorothy T. Damore Jeffrey Gelfand Nancy Giannini Steven Kushner Lawrence J. Kusior Jongwon Lee Dwight Ligham Dino Messina Christina Morganti Alan R. Wladis

\$1-\$99

Deborah Bassett Ioseph P. Gale Mirlande Jordan Steven C. Scherping, Jr.



Students and friends celebrate Match Day 1996.

1993

TOTAL GIVING \$8.390 Percentage of Giving 18%

\$1,000-\$2,499

Kenneth A. Egol Peter Hogenkamp Charles J. Lutz Ioan Mitchell lames T. O'Connor Kathleen Tierney Robert E. Todd

\$500-\$999 Lyle J. Prairie

\$100-\$499

Jarrod Bagatell Denise Bothe Jason Feinberg Brian Gordon Michael Harrigan Stephen Kirsch Edward Mcgookin Donna B. Moore Florence M. Parrella Ioanne C. Pohl Yvette L. Rooks Neena Shah Darvin J. Varon Anthony G. Visco Pamela Weaner

\$1-\$99

Ross D. Crary Eileen Gallagher Sean P. Roche

1994

TOTAL GIVING \$10,765

Percentage of Giving 13%

\$5,000-\$9,999 Sharon A. McFayden-Eyo

\$1,000-\$2,499 Malcolm D. Brand Philip A. Fraterrigo Robert G. Hogan Lisa M. Hogenkamp Margaret A. Leary

\$500-\$999

lason Lok Willie Underwood, III

\$100-\$499

Diana L. Crevi Michele Jamison Christian Knecht John D. Passalaris James M. Perry Thomas J. Pizzuti Michael S.

Ramjattansingh John P. Řisolo Bruce H. Schwartz Edward H. Tom Cherilyn A. White Anson K. Wurapa

\$1-\$99

Matthew P. Dever

1995

TOTAL GIVING \$9,800 Percentage of Giving 13%

\$5.000-\$9.999 Christine E. Fuller

\$1,000-\$2,499 Timothy S. Huang Samir S. Patel

\$500-\$999 Yves A. Gabriel

\$100-\$499 Lynn C. Berger

Steven J. Colwell Melissa Ehlers Michael D. Gitman Maureen R. Goldman Richard M. Ingram

Karen M. Clary

Lucinda A. Keller Carolyn L. Marasco Thomas P. Morrissey Joseph D. Pianka lames M. Scaduto Susan A. Scavo

Thomas L. Schwartz

1996

TOTAL GIVING \$5.400 Percentage of Giving 9%

\$1,000-\$2,499 Surinder S. Devgun Jaime H. Nieto Jason T. Zelenka Phuong A. Zelenka

\$500-\$999

Alicia K. Guice Stephen G. Maurer Paul E. Perkowski Elizabeth Tanzi

\$100-\$499

Gregory G. Carnevale Wendy L. Garrity Eric H. Holbrook Joseph B. Luna Valerie K. Merl Philip T. Ondocin

1997

TOTAL GIVING \$3,450 Percentage of Giving 10%

\$1,000-\$2,499 Michelle Torres

\$500-\$999 Danielle A. Katz Joon-Hong Minn

\$100-\$499 Mutahar Ahmed William H. Gans Darlene Henderson **Forbes** Edward M. Liebers Rola H. Rashid

\$1-\$99

Jeannie Tam

Donald E. Hertweck Alice Y Kim Shani L. Lipset James J. Lynch Shinette Sirmans-McRae

1998

TOTAL GIVING \$14,700

Percentage of Giving 15%

\$5,000-\$9,999

Katherine A. Van Savage

\$2,500-\$4,999 Kirk P. Rankine

\$1,000-\$2,499 Tamara A. Prull Lauren H. Turteltaub Maria E. Wilson

\$500-\$999 Jennifer M. Bocock

Deepak G. Nair Karen Y. Ng Sean J. Sheehan

\$100-\$499

Iennifer E. Allen Laura A. Allen Cindv H. Baskin Felice A. Caldarella Drew M. Caplin Sandeep Chopra Matthew R. DiCaprio Uma Gavarasana Barbara Anne Morisseau Sherri E. Putterman

Caplin Jennifer M. Salm Andrew M. Schulman Eric M. Spitzer

\$1-\$99

Michael D. George Dario A. Lecusay, Jr.

1999

TOTAL GIVING \$4.100 Percentage of Giving 9%

\$500-\$999 Jerry Caporaso, Jr.

Christine B. Franzese Sashi Naidu Ganga R. Nair Michael S. Shoemakermoyle

\$100-\$499 Kenneth K. Cheng Andrew D. Feingold James J. Flynn Meghan E. Hayes Tracy Lee Eric P. Paulson Ronald P. Pigeon Joshua S. Simon John A. Ternay

2000

TOTAL GIVING \$11,939

Percentage of Giving 14%

\$2,500-\$4,999 Christina M. Liepke Matthew J. Liepke

\$1,000-\$2,499 Heather A. Green Bharat Guthikonda Rajesh K. Jain Lisa S. Minsky-Primus Ashish P. Shah Candice E. Shah

\$500-\$999 Hana F. Jishi Timothy H. Lee Rosalie Naglieri

\$100-\$499 Brian M. Bizoza Laura Dattner Ron Elfenbein Adam P. Ellis Sharon L. Hong Penelope Hsu Newrhee Kim Frederick R. Lemley Dana C. Ranani Heather A. Wheat Liyuan Yu

2001

TOTAL GIVING \$5,528 Percentage of Giving 13%

\$1,000-\$2,499 Ya-Yu Lee

\$500-\$999 Meghan E. Ogden Danielle L. Petersel Stacey A. Watt Edward J. Wladis Tamara G. Wrzesinski \$100-\$499 Cassandra A. Archer Zafar J. Bajwa Carina Cartelli Brett V. Citarella Lynn E. Fraterrigo Boler Lisa M. Geer-Yan Joseph A. Lasek Christie Perez-Johnson Amy L. Reynders Arathi R. Setty Jamie Shutter Danit Talmi David Yan

\$1-\$99 Sanjay Jobanputra Elizabeth Vonfelten

2002

TOTAL GIVING \$2,700 Percentage of Giving 7%

Rebecca L. Bagdonas Stephen Wrzesinski

\$100-\$499 Anonymous Roline L. Adolphine Eben A. Carroll Madison C. Cuffy Jessica J. Lee Vanessa E. Lowe Sarmistha Mukherjee Joshua M. Schoen Christa L. Whitney-Miller

2003

TOTAL GIVING \$5,075 Percentage of Giving 11%

\$1,000-\$2,499 Keri L. Burns-Booth Joseph Y. Choi

\$500-\$999 Joseph M. Ferrara, Jr. Anurag Shrivastava Niesha Westmoreland

\$100-\$499 Anonymous Greg R. Blair Bo Chao Jay Chen Alexander Cho Nathaniel S. Gould Kirsten H. Healy Matthew C. Miller Jessica F. Sherman William M. Sherman Erica D. Weinstein

\$1-\$99 Lawrence M. Cecchi David C. Portnoy Shannon E. Routhouska

2004

TOTAL GIVING \$6,250 Percentage of Giving 10%

\$2.500-\$4.999 Kenar D. Jhaveri

\$1.000-\$2.499 Michael L. Lester

\$500-\$999 Jimmy Feng

\$100-\$499 Anonymous Marsha T. Austin Matthew J. Egan Clifford J. Ehmke Mrinal M. Gounder Catherine I. Keating Amit Kumar Leon Kushnir Fares G. Mouchantaf Michelle A. Mouchantaf Andrew J. Najovits John P. O'Brien Alexander Tsukerman

2005

TOTAL GIVING \$4,604 Percentage of Giving 8%

\$1,000-\$2,499 Joby George Daniel R. Lefebvre Isabelle Zamfirescu

\$500-\$999 Jay S. Dalal

\$100-\$499 Erin R. DeRose Matthew C. Martinez Melissa L. Petras David M. Zlotnick

\$1-\$99 Deidre M. Blake Dana R. Cohen Michael de la Cruz Rupesh R. Mehta

2006

TOTAL GIVING \$1,500 Percentage of Giving 7%

\$500-\$999 Brian F. Strickler

\$100-\$499 Kristin M. Arcara

GIFTS TO THE PARENTS AND FAMILY ASSOCIATION

Lewis and Terry Abramson Paul and Diane Alagna Mark and Diane Angeloni Orit and Mark Antosh, MD Ahmed Arafa and Nagwa Elsilimy William and Marguerite Assif Susan and Richard J. Baron, MD '77 William and Luann Bartlow Mark and Ann Bieganowski Brian and Gail Burlant Duane M. Cady, MD* Weiming and Grace Chen Vincent Civiletto Willard Cohen, MD '56 Carolyn Coveney, MD '89 and Robert Carey Stephen Craxton Richard C. Dale Robin Dale Dorothy T. Damore, MD '92 Yalew Damtie and Teigest Abay Teresa and Nick Despotidis, MD Rosanne and Christopher Didio Arnold and Michelle Etienne Robert and Tracey Evans Lynn E. Fraterrigo Boler, MD '01 Tom and Tami Freetly Andrew Glidden Mrinal M. Gounder, MD '04 Christopher and Teresa Greene William and Judith Guilbo Gregory and Priscilla Gumina Fred and Theresa Hance Christos and Patricia Hantzidiamantis Xiaolong Hao and Hui Fang Kevin and Teresa Hart Mr. and Mrs. James Hartnett William and Sandra Haynes David Heslin and Karen Crescenzo-Heslin Greg and Agnes Hwang

Mr. and Mrs. Jairus Ibabao Fritz and Marie Jean-Louis William and Mary Anne Kahler Teresa J. Karcnik-Mahoney, MD '88 and Raymond Mahoney Kiril and Meri Kiprovski Marc and Chris Kleinhenz Christina LaBella, MD '91 and John LaBella, MD '91 Hayden Letchworth Rachel Lewis Wu Liu and Ling Xue Peter and Michele Maier Ali and Lina Marhaba Tessie McAlpine Richard and Suzanne McGuirk Ellen M. Mchugh, MD '83 and **David Boor** Carlos and Yohanny Mera Mr. and Mrs. David Middleton Lori A. Murphy Gounder and Radha Murugesan Sriram Narsipur, MD, and Sonia Kragh, MD Howard and Jill Olonoff Anthony and Theresa Omoruan Yotin Padungtin and Deborah Tooker Edward and Judy Piotrowski Robert and Katherine Pollock Kuni and Patrick J. Riccardi, MD '76 James and Tracy Rowley Susan and Steve Rucker, MD Larry and Tracy Sala Tarun and Mahasweta Sen Jeffrey S. Sneider, MD George A. Soufleris, MD Charles and Debra Sullivan Meryl and Alexander E. Weingarten, MD '80 Cory and Randy Weiss

Ju-Sung and Huei-Chu Wu Zhandong Zhou and Yingxun Zhu

ALL GIFTS RECEIVED FROM OCTOBER 1, 2019 THROUGH SEPTEMBER 30, 2020 | *DECEASED

Scott R. Ekroth Glenn E. Groat Daniel D. Hayes Lisa M. Hayes Jodie M. Howell Anne Marie Tremaine Abigail R. Watson

\$1-\$99 Melissa A. Price

2007

TOTAL GIVING \$3,049

Percentage of Giving 10%

\$500-\$999 Erin Crosby

Erin Crosby Alexandra McGann Adams

\$100-\$499

Anonymous Bryant Carruth Brandon Chase Yvonne Cuffy Paige Dorn Roan J. Glocker Miranda Harris-Glocker Darshana Kittur Lisa K. Law Ralph Milillo Avreliya Shapiro Marny Shoham Lauren Slater Aimee J. Wertman Kristin Yannetti

\$1-\$99 Anonymous Sara Karjoo

2008

TOTAL GIVING \$1,660 *Percentage of Giving 8%*

\$500-\$999David Shi

\$100-\$499

Steven Altmayer Paul Aridgides Lindy Davis Matthew Mason Tina Nguyen Lisa O'Connor Christopher Palmer Anita Sargent Rebecca Swan Robert Swan

\$1-\$99Matthew Thornton Melissa Urckfitz Nelson

2009

TOTAL GIVING \$1,550 *Percentage of Giving 3%*

\$1,000-\$2,499Robert Day

\$100-\$499

Daniel Arsenault Katherine A. Kaproth-Joslin Won-Hong Ung

\$1-\$99 Anonymous

2010

TOTAL GIVING \$3,500

Percentage of Giving 5%

\$1,000-\$2,499 Michael G. Fitzgerald

\$500-\$999 Bridgit Nolan

\$100-\$499

Amanda J. Brender Harman S. Gill Christopher Morrison Jin Qian Elizabeth Riccardi Jennifer L. Tibbens-Scalzo

2011

TOTAL GIVING \$1,450

Percentage of Giving 3%

\$500-\$999 Daniel P. Anderson

\$100-\$499 Kelly M. Lawrence Dominick G. Maggio Carla R. Schwartz Eva S. Smith Yening Xia

2012

TOTAL GIVING \$1,774

Percentage of Giving 4%

\$1,000-\$2,499Rachel Zehr

\$100-\$499 Erica L. Archer Rohit Repala Zeah Venitelli Kerry Whiting

2013

TOTAL GIVING \$1,700 *Percentage of Giving 6%*

\$500-\$999 Jenny A. Meyer Justin P. Meyer

\$100-\$499 Jin W. Jung Nikolai V. Kolotiniuk Roy R. Liu Matthew P. Pepper Kortney A. Robinson

\$1-\$99Janet Jang
Cynthia Salvant

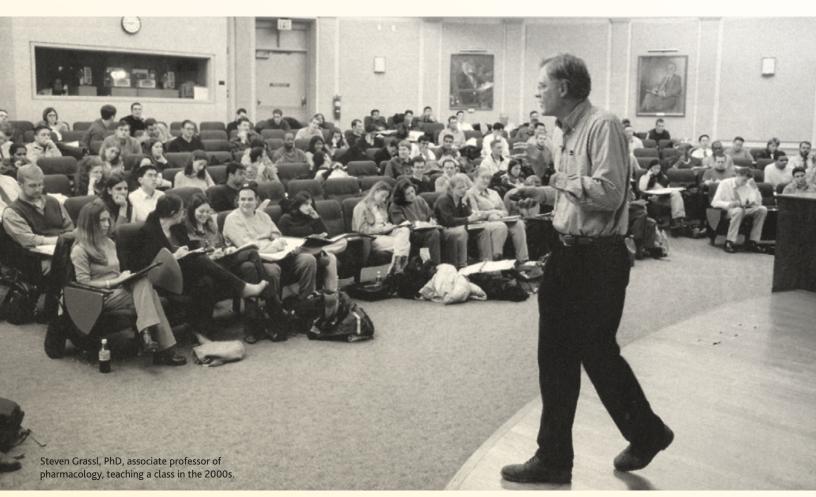
2014

TOTAL GIVING \$700

Percentage of Giving 3%

\$100-\$499 Anthony J. Chiaravalloti Rahul Gupta Ryota Kashiwazaki Lauren M. Titone

\$1-\$99 Anonymous



2015

TOTAL GIVING \$425Percentage of Giving 3%

\$100-\$499 Konstantina A. Papathomas Wasnard Victor

\$1-\$99 Anonymous Christina L. Persaud

2016

TOTAL GIVING \$345 *Percentage of Giving 4%*

\$100-\$499 Nicole M. Cifra Leesha A. Helm Matthew F. Helm

\$1-\$99 Austin R. Meeker Andrew J. Nastro Michelle E. Wakeley

2017

TOTAL GIVING \$360 *Percentage of Giving 3%*

\$100-\$499 William Shieh Daniel C. Wang

\$1-\$99Joshua D. Beckler Alan Shum

2018

TOTAL GIVING \$50 *Percentage of Giving 1%*

\$1-\$99Kathleen A. Iles
Robert W. Reynolds

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GIFTS TO THE MEDICAL STUDENT EMERGENCY RETENTION FUND IN RESPONSE TO THE COVID-19 PANDEMIC

Anonymous (9) Kedar K. Adour, MD '58 Mutahar Ahmed, MD '97 Mary G. Ampola, MD '60 Frederick Arredondo, MD '78 Susan L. Auffinger, MD '89 Bruce E. Baker, MD '65 Steven L. Batki, MD '79 Thomas A. Bersani, MD '82 Greg R. Blair, MD '03 Louis Bonavita, Jr., MD '88 Stephen D. Brenner, MD '70 Keri L. Burns-Booth, MD '03 Joan Carroll, MD '79 Glenn Champagne, MD '75 Larry S. Charlamb, MD '88 Anthony J. Chiaravalloti, MD '14 Debra J. Clark, MD '85 Barbara L. Clayton-Lutz, MD '92 Hal E. Cohen, MD '84 Rishana S. Cohen, MD George N. Coritsidis, MD '83 Robert W. Daly, MD '57 Laura Dattner, MD '00 Joan S. Dengrove, MD '79 Surinder S. Devgun, MD '96 Mantosh J. Dewan, MD Robert A. Dracker, MD '82 A. David Drezner, MD '70 Kenneth R. Epstein, MD '82 Mark S. Erlebacher, MD '79 John D. Fey, MD '75 Norman L. Fienman, MD '66

Michael B. Fisher, MD '68 Ilene Flatt Hugh S. Fulmer, MD '51 Uma Gavarasana. MD '98 Welton M. Gersony, MD '58 Harman S. Gill, MD '10 Leon I. Gilner, MD '74 Stephen L. Graziano, MD Heather A. Green, MD '00 James Peter Gregoire, MD '74 Prabal Guha, MD Andrew W. Gurman. MD '80 Robert B. Halder, MD '68 Teresa Hargrave, MD Michael Harrigan, MD '93 Donald Hay, MD '70 Leesha A. Helm, MD '16 Matthew F. Helm, MD '16 Charles J. Hodge, MD Roy A. Kaplan, MD '70 Christopher Karsanac, MD Leo Katz, MD '88 Mark H. Katz, MD '75 Joseph H. Keogh, MD '83 Leslie J. Kohman, MD Kelly M. Lawrence, MD '11 Alice S. Y. Lee, MD '88 Jongwon Lee, MD '92 Susan H. Leeson, MD '82 Loubov V. Leontieva, MD Christina M. Liepke. MD '00 Matthew J. Liepke, MD '00 Robert D. Lindeman, MD '56 Norman R. Loomis, MD '52 Vanessa E. Lowe, MD '02 Eleanor M. Luce. MD '55 Charles J. Lutz, MD '93 Florence Magram Athanasios Mallios, MD '73 David S. Marlin, MD '82 Joseph Marsicano, MD '90 Matthew Mason, MD '08 Sharon A. McFayden-Eyo, MD '94 Austin R. Meeker, MD '16 Teresa R. Miller, MD '79

Joon-Hong Minn, MD '97

Christopher Morrison, MD '10 Lori J. Mosca, MD '84 Ralph S. Mosca, MD '85 Sarmistha Mukherjee, MD '02 Rosalie Naglieri, MD '00 Patricia J. Numann, MD '65 Samir S. Patel, MD '95 Christina L. Persaud, MD '15 Dennis S. Poe. MD '82 Martin R. Post, MD '67 Elizabeth Rajamani, MD '87 Michael H. Ratner, MD '68 Vicki C. Ratner, MD '84 Paul P. Romanello, MD '83 David A. Ross, MD '68 Alexander Ryu, MD Neal Rzepkowski, MD '78 Anthony Scardella, MD '77 Avreliya Shapiro, MD '07 Neal M. Shindel, MD '80 Alan Shum, MD '17 George Starr, MD Mallory Stephens, MD '54 Donald S. Stevens, MD '77 Ralph L. Stevens, MD '81 Marc A. Subik, MD '79 Mark M. Tavakoli, MD Stuart Trust, MD Upstate Medical Class of 2020 Zeah Venitelli, MD '12 Howard L. Weinberger, MD '58 Stephen R. Weinman, MD '89 Gregory White, MD '79 Kerry Whiting, MD '12



ALL GIFTS RECEIVED FROM OCTOBER 1, 2019 THROUGH SEPTEMBER 30, 2020 | *DECEASED

Honor, Memorial Gifts

MEMORIAL GIFTS

In Memory of Jane BachmanPaul F. Bachman, MD '77

In Memory of Ramon Baltera, Sr Trevisin and Pincott Families Frank and Lorraine Vitale

In Memory of Dr. Camillo A. Benzo Ronald J. Costanzo, MD '90

In Memory of the five year anniversary of the death of Martin M. Black, MD '51 Ethel Black

In Memory of Gene Burbige, MD '70 Roy A. Kaplan, MD '70

In Memory of Stanley J. Charlamb, MD Orit and Mark Antosh, MD, and family Mark and Karen Beckman, MD Robin Berkowitz-Smith

Joyce G. Carmen Tracy Cicci

Robert and Pamela Daino Arthur J. Diamond Patricia Donnelly, RN Anthony Ferrara Ilene Flatt

Cyril Freeman Mark Fuller Adam Goldberg

Jacquelyn and Michael Goldberg and family

Dr. R. Hootnick Steven and Elaine Jacobs Mateele and Sheldon Kall

Timothy Kenien Florence Magram

Jeff, Judy, Shira and Ben Magram

Jon M. Maloff

Keith and Kathryn Martin

Ilene and Herbert E. Mendel, MD '78

Richard Mink Shirley Mink

Robert and Diane Miron

Steven A. Miron and Jacquelyn Kall Miron

Naomi Roth

Arnold and Libby Rubenstein

Elaine Rubenstein Anthony Scaringe Lois and Mike Schaffer

Abby Scheer Matthew Selover Andy and Dick Serlin Jeff and Cindy Stein

Vera Stein

Alan and Esther Strauss Deborah and James G. Tifft, MD Upstate Department of Medicine

Andrew Weinberg Norma Weitman Ronald M. Wolk In Memory of Murray L. Cohen, MD '53 Beverly Cohen

In Memory of Stephen Edwards Cummings, P'82James J. Cummings, MD '82
Debra Tristam, MD

In Memory of Sanders W. Davis, MD, brother-in-law to Joseph C. Fischer, MD '79 Mary G. Fischer and Ann-Marie Campbell

In Memory of George and Marion Burr Doneburgh Mary Jo and Gary Wood, MD '77

In Memory of Wells D'Orazio Edmund D'Orazio, MD '75

In Memory of Robert H. Eich, MD Christopher A. Clyne, MD '83 Prabal Guha, MD

In Memory of David B. Falkenstein, MD '69 Jane L. Falkenstein, MD '69

In Memory of Lana Feingold Andrew D. Feingold, MD '99

In Memory of Stuart H. Forster, MD '80 Timothy E. Dudley, MD '80

In Memory of George P. Fulmer, MD '47 Hugh S. Fulmer, MD '51 Susan Ritchie

In Memory of Filomena Giambattista Mary (Giambattista) Ampola, MD '60

In Memory of Roslyn Goldenberg Claudia Leslie and Louis Lipschutz

In Memory of Dean David Goodman, also was my patient

Lowell L. Hart, MD '80

In Memory of Sylvia Greenbaum Claudia Leslie and Louis Lipschutz

In Memory of Ruth Gross Claudia Leslie and Louis Lipschutz

In Memory of Abraham and Bella Huber, Richard and Hermine Muellerleile

Irving Huber, MD '76
In Memory of Ellen Cook Jacobsen, MD '50

Michael Mahelsky, MD '88
In Memory of E. Gregory Keating, PhD

Anonymous

In Memory of Peter Kim, MD '93 Denise Bothe, MD '93

In Memory of Martha S. Kincaid, MD '73 Richard F. Endres, MD

In Memory of Sonya A. LaBella Christina LaBella, MD '91 John LaBella, MD '91 Diane and Brian Maloney, MD

Lori J. Mosca, MD '84 Ralph S. Mosca, MD '85 In Memory of Stanley D. Leslie, MD '51

Bank of America Bob and Rondi Bedor Marc and Janet Crespi

Avery Leslie O'Neill and Hank O'Neill

Bruce M. Leslie, MD '78

Claudia Leslie and Louis Lipschutz

In Memory of Thomas J. Maher, MD '83 Kevin M. Coughlin, MD '83

In Memory of John Lawrence Marsh John L. Marsh, MD '79

In Memory of Patrick T. Mathews, MD '03 Marcia Mathews

In Memory of Peter R. McCarthy John T. McCarthy, MD '69

In Memory of Marty C. Michaels, MD '81 William P. Hannan, MD '81

In Memory of Roy S. Moore, Jr., MD '45 Gary C. Brown, MD '75

In Memory of Dr. and Mrs. H. Ketcham Morrell '54 Philip D. Gottlieb, MD '77

In Memory of Adam Oberlander, MD '05, and my pops Richard Provus (Radiologists) Jason Provus, MD

In Memory of Frank Oski, MD Mark H. Katz, MD '75

In Memory of Ted Peck, MD '68 David J. Greenfield, MD '68

In Memory of William G. Phippen, MD '48

Kathy D. Eberling John and Evelyn Griswold Henry and Wendy Hershey Cynthia Lee

Lyle and Florence McGeoch

Elizabeth Phippen-LePine and John F. Le Pine

In Memory of Ralph Reichert, MD '60 Amy K. Reichert

In Memory of Lloyd S. Rogers, MD Upstate Department of Surgery

In Memory of Marvin Rosen Claudia Leslie and Louis Lipschutz

In Memory of Rosalyn Scheer David A. Scheer, MD '59

In Memory of Julius Schwartz, MD '33 Naxion Research Consulting

Susan Schwartz McDonald, PhD

In Memory of Joseph A. Smith, MD '72 Daniel O'Hearn, MD '91

In Memory of my mother Nina Spadaro Mary Ann Antonelli, MD '70

In Memory of Tak Shing "Danny" Tam Rahul Gupta, MD '14 Jin W. Jung, MD '13 Roy R. Liu, MD '13 Matthew P. Pepper, MD '13 Kortney A. Robinson, MD '13 Cynthia Salvant, MD '13 Wasnard Victor, MD '15

In Memory of Dr. Oscar and Mrs. Luba Trief Wendy Gordon, PhD and Michael Gordon, PhD Paula Trief, PhD

In Memory of Clifford H. Turen, MD '83 Kevin M. Coughlin, MD '83

In Memory of Chauncila Ward Anonymous

In Memory of Irwin M. Weiner, MD '56 Burk Jubelt, MD

In Memory of Steven Weinreb, MD '87 Rosemarie Conigliaro, MD '87

In Memory of Frank E. Young, MD '56 Michael C. Barnes and Paul Scott O'Neill Gregory G. Carnevale, MD '96 Keith R. Dahlberg, MD '54 Janice and Gerben DeJong NDA Partners, LLC Ellen Nolley

HONORARY GIFTS

In Honor of All Sarcoma Warriors: Past, Current and Future Matthew R. DiCaprio, MD '98

In Honor of All who made my education possible! Sharon A. McFayden-Eyo, MD '94

In Honor of A. Geno Andreatta Paul F. Bachman, MD '77 James A. Dispenza, MD '75 Michael B. Fisher, MD '68 Burk Jubelt, MD Mark S. Persky, MD '72

In Honor of N. Barry Berg, PhD Steven L. Batki, MD '79 Burk Jubelt, MD Danielle A. Katz, MD '97 Jamie Shutter, MD '01

In Honor of the Sharon Brangman, MD '81 Geriatric Award

Anonymous

Sharon A. Brangman, MD '81 Elizabeth A. Erwin

Charlie Lester

In Honor of the Class of 1988, Jacobsen Hall 10th Floor Leo Katz, MD '88 **To continued good health and recovery** Hindi T. Mermelstein, MD '84

In Honor of Covid 19 Medical Colleagues in NYC/NJ Mark S. Erlebacher, MD '79

In Honor of Joseph Elfenbein, MD Ron Elfenbein, MD '00

In Honor of the Robert V.P. Hutter, MD '54 Lectureship in Pathology Gerald B. Gordon, MD

In Honor of Ellen Kanzer Barry F. Kanzer, MD '79

In Honor of Claudia LeslieBob and Rondi Bedor
Marc and Janet Crespi

In Honor of Matt and Hilary Claudia Leslie and Louis Lipschutz

In Honor of the 80th Birthday of George H. Newmann, MD '66 Robert A. Levine, MD '66

In Honor of Patricia J. Numann, MD '65 Danielle A. Katz, MD '97 Bettina Smallman, MD

In Honor of One Love Anonymous

To honor our great teachers and fellows students we have lost, and those who are still with us Amy L. Ladd, MD '84

In Honor of Mark Persky, MD '72 "For being a doctor's Doctor"
Michael D. Horn, MD '67

In Honor of the R-Med Fund for Northern NY Hugh S. Fulmer, MD '51 Susan Ritchie

In Honor of Harold Smulyan, MD*

Prabal Guha, MD
In Honor of SUNY Upstate Medical
University Students

Alan Shum, MD '17

In Honor of SUNY Upstate Ophthalmology
Austin R. Meeker, MD '16

In Honor of Joseph Verdirame, MD '75 Mark H. Katz, MD '75

In Honor of John K. Wolf " my inspiration for Neurology" Michael D. Privitera, MD '80

GIFTS TO THE SUSAN B. STEARNS, PHD, SCHOLARSHIP FOR COMMUNITY ENGAGEMENT

Jennifer H. Abbott
Sarah C. Burns
Rahul Gupta, MD '14
Jin W. Jung, MD '13
Catherine I. Keating, MD '04
Susan H. Keeter
Roy R. Liu, MD '13
Matthew P. Pepper, MD '13
Lisa M. Procanick
Kortney A. Robinson, MD '13
Cynthia Salvant, MD '13
Susan B. Stearns, PhD
Wasnard Victor, MD '15

2020 Scholarship Recipients

Thanks to the generosity of alumni support, the Medical Alumni Foundation awarded more than \$600,000 in student scholarships this year.

A. Geno Andreatta Scholarship Haley L. Burdge

Benjamin N., Mollie P., Gerson H. '57 and Martin W. Aronovitz, MD '65 Memorial Scholarship Cameron R. Bosinski

Nathan and Ada August Memorial Scholarship Vasiliki P. Giannakakos

Stanley A. August, MD Memorial Scholarship Michael J. Weingarten

Zaven S. Ayanian, MD '59 Family Scholarship Amanda N. Balch

John R., MD '84 and Deborah L. Ayres Endowed Scholarship Cameron R. Bosinski

Theresa Baltera Memorial Scholarship Amanda N. Balch

N. Barry Berg, PhD Scholarship for Musculoskeletal Medicine Thomas A Bedard

The Martin Black Family Scholarship (endowed by Drs. Martin, Gerald, Michael and Robert Black) Clarke I. Cady-McCrea

Elliot Brandwein, MD '67 and Arlene Eckstein Brandwein, MD '68 Scholarship

Erik C. Baim and Haley L. Burdge

The Sharon A. Brangman, MD '81 Geriatric Scholarship Eunice E. Choe

Bernard J. Burke, MD '43 Scholarship Megan C. Taggart

Leonard D. Carpenter, MD '33 and Ruth E. Carpenter Memorial Scholarship Rachel M. Peterson

The Douglas (Ed Ben-Edison) Cox, MD '63 Scholarship Maham Ahmed

Edwin T. Dailey, MD '68 Memorial Scholarship in Radiology Ryan M. Thibodeau The Dracker Family Scholarship Amanda N. Balch, Harman Chopra, Gretchen R. Goble and Mallika A. Rajamani

Robert Eitches, MD '78 Scholarship in Honor of Shirley and Irving Eitches

Gretchen R. Goble

Alfred F. and Shirley D. Enwright Endowed Scholarship (endowed by Michael O'Leary, MD '78 and Colleen Enwright O'Leary, MD '78) Diane E. Mathews

Joseph C. Fischer, MD '79 Memorial Scholarship Michelle E. Fenty

Medical Alumni Foundation Founders Scholarship Garrett W. Esper

Sarah Loguen Fraser, MD, Class of 1876, Scholarship Samantha K. Williams

The Friendship Scholarship in honor of Ernest Found, MD '80, in memory of his wife, Ellyn Slocum Found, and his daughter, Caroline Slocum Found Marina A. Seidel

Joseph J. Gadbaw, MD 12/'43 and Ann Gadbaw Scholarship Justin N. Durland

Max Gara and Robert H. Gara, MD '56 Scholarship Sudie Ann Robinson

Suzan and Philip M. Gaynes, MD '63 Scholarship Iessica X. Astudillo Oleas

Susan E. and Welton M. Gersony, MD '58 Endowed Scholarship Marissa L. Rice

Samuel Gersten, MD '39 and Martha Gersten Endowed Scholarships Fatema Arafa, Justin N. Durland, Margaret M. Mandato and Hannah G. Smith

Jerome C. Goldstein, MD '63 and Rochelle Goldstein Scholarship Erin M. Tonzi

Frances A. Harmatuk, MD '41 Geriatric Scholarship Xiancheng Wu Edward F. Higgins, MD '78 Scholarship Joseph Settineri

Grant Hobika, MD '52 Scholarship Kelly Gao

Robert V.P. Hutter, MD '54 and Ruth L. Hutter Scholarship Thomas C. Knoerl

Kasten Aker Family ScholarshipGarrett W. Esper

E. Gregory Keating, PhD Memorial Scholarship Gavin G. Ajami

Martha S. Kincaid, MD '73 Scholarship Hannah M. Connolly

Sonya A. LaBella Memorial Scholarship Julian T. Sit

Stanley D. Leslie, MD '51 Memorial Scholarship Nayanka Etienne

The Lynch Family Scholarship Megan C. Taggart

Alphonse A. Maffeo, MD '72 Scholarship Adedamola Ogundipe

B. Dale Magee, MD '75 Scholarship Julied Bautista-Alvarez and Bryan Mera Reyes

The Stephen Major, MD Psychiatry Award Hannah M. Connolly

Angeline R. Mastri, MD '59 Scholarship

Dominic N. Facciponte

Patrick T. Mathews, MD '03 Memorial Scholarship Mallika A. Rajamani

McAnarney Family Endowed Scholarship in Pediatrics Marissa L. Rice

James L. McGraw, MD '41 Scholarship Nathan J. Arboleda

Gustave P. Milkey, MD '43 and Janet B. Milkey Merit Scholarship Justin J. Patricia The James and Dolores Moffett Memorial Scholarship Amanda E. Kaley

Peggy and Adolph Morlang, MD '66 Scholarship David O. Ola and Ashraf A. Patel

Joseph A. Morra, MD "Renaissance Man" Memorial Scholarship Kushal U. Patel

Rudolph J. Napodano, MD '59 Scholarship Sarah E. Myers

Nightingale Scholars Teaghen A. Buscemi-Kimmins, Jaclyn E. Frandolig, Daniel T. Katz, Jaime L. Rogner, Almasa Talovic

Patricia J. Numann, MD '65 Endowed Scholarship Cameron R. Bosinski

Onondaga County Medical Society (OCMS) Medical Student Scholarship Andrew Salmons and John J. Paliakkara

Betty Reiss, MD '68 and Jacob Reiss, MD '68 Family Endowed Scholarship

Gretchen R. Goble

Monroe Richman, MD '55 and
Esther Richman Scholarship

Samuel Rosenthal, MD '64 Scholarship Jonathan M. Kennedy

Sarah E. Myers

Rural Medicine Alumni Endowed Scholarship Claire M. Englert

Sanders/Kilkelly Scholarship Hannah G. Smith

The Schein Family Scholarship Apeksha Ashok Kumar

Jack J. Schneider, MD '66 Scholarship Ryan M. Thibodeau

The Setnor Family Endowed Scholarship Yuleisy Yanns Daniel

The Ara A. Sheperdigian, MD Memorial Scholarship Alison D. Stedman

John B. and Henrietta E. Simeone Scholarship in Memory of Fiorindo A. Simeone, MD Ashraf A. Patel

Frederick W. Sloan, MD '74 Scholarship Robert She

Brian P. Sorrentino, MD '85 Memorial Scholarship Ashraf A. Patel

Susan B. Stearns, PhD Scholarship for Community Engagement Allison D. Stedman

Ralph Stevens, MD '81 Madison-Oneida County Scholarship

Thomas R. Bieganowski, Adam J. Cole, Danielle M. LaPaglia, Jacqueline J. Maier, Diane E. Mathews, Alec G. Miller, Julia K. Raleigh, Mallory A. Rowley and Alison D. Stedman

Rosemary Stevens, MD Annual Scholarship (endowed by Thomas Stevens, MD '65 in memory of his mother)

Brixhild Liapa, Guillermo Plascencia and Junchao Zhang

Student Citizen Awards

Eunice E. Choe, Joshua Mathew, Marina A. Seidel

Marc A. Subik, MD '79 Family Scholarship Benjamin L. Fuller

The Swift Family Legacy Grants

Thomas A. Bedard, Harman Chopra, Brianna D. Michael, Amiara Phillips and Sudie Ann Robinson

Dr. Oscar and Mrs. Luba Trief Memorial Scholarship Julian T. Sit

Barbara and Harold H. Wanamaker, MD '56 Scholarship Dominic N. Facciponte

Andrew D. Weinberg, MD '78 Memorial Geriatric Scholarship Gretchen R. Goble

Herbert M. Weinman, MD '65 and Suzy Weinman Scholarship Award Megan C. Taggart

The Willams Family ScholarshipJulia B. Norton and Mallory A. Rowley

Susan and Jack Yoffa, MD '69 in Memory of Elaine Yoffa Hornung Scholarship Claire M. Englert

Frank E. Young, MD '56 and Leanne Young Endowed Scholarship Cameron R. Bosinski

Rick Zogby, MD, Class of 1984 Memorial Scholarship Thomas A. Bedard

CLASS SCHOLARSHIPS

Class of 1966 Scholarship Aleksandar Popovic

Class of 1971 Scholarship Fatema Arafa

Carol Kavanagh and Class of 1973 Scholarship Christine Zhang

Class of 1977 Scholarship Cameron R. Bosinski

ALUMNI SCHOLARS

Zachary T. Farina Amanda A. Ghanie Romario Gibson Jason Grullon Ryan J. Hart Chelsie L. Jacques Nicolette C. Nunez John J. Paliakkara Avery T. Pellnat Amylisa M. Phillips Tyler J. Pocchiari Sudie Ann Robinson Jaimie L. Rogner Gabrielle J. Sagesse

WEISKOTTEN SCHOLAR

Danielle E. Clifford

PENDING SCHOLARSHIPS

Peter J. Adasek, MD '65 Scholarship The Cady Family Scholarship The David L. Charney, MD '68 Endowed Scholarship Class of 1955 Scholarship

Class of 1965 Memorial Scholarship Class of 1979 Scholarship

Class of 1980 Scholarship

David M. Essom, MD '56 Scholarship The Garakani Family Scholarship

I. Bruce Gordon, MD '63 in Honor of Professor William H. Bergstrom

Douglas W. Halliday, MD '79 Scholarship

The Helen and Albert F. Mangan, MD '54 Endowed Scholarship

Adam Oberlander, MD Class of 2005 Memorial Scholarship

Allan J. Press, MD '67 Endowed Scholarship

Tarakad Ramachandran, MD Memorial Scholarship

OTHER AWARDS/ GRANTS

Class of 1968 Primary Care Endowment

Endowment

Alfred W. Doust, MD Endowed
Program in Otolaryngology

The Jerry Hoffman Advocacy Award

Carlyle and Ellen Cook Jacobsen
Memorial Fund

FELLOWSHIPS

Susan and Gustave L. Davis, MD '63 Summer Fellowship for Pathology

Ellen Cook Jacobsen, MD '50 Fellowship in Psychiatry

Pediatric Residents Endowment for International Travel

LECTURESHIPS

The Welton M. Gersony Pediatric Lectureship

Robert V.P. Hutter, MD '54 and Ruth L. Hutter Endowed Lectureship

The Donald and Mary Elizabeth King Endowed Lectureship

The Lawrence Pickett, MD Endowed Lectureship in Pediatric Surgery

Professorships/ Chairs

Stanley A. August, MD '69 Endowed Professorship in Pediatrics

Medical Alumni Endowed
Professorship in Bioethics

The Patricia J. Numann, MD '65, Chair of Surgery

Lloyd S. Rogers Endowed
Professorship in Surgery

Leanne and Frank E. Young, MD '56, PhD, Endowed Chair in Biomedical Science

STUDENT ROUNDS

Dreaming for Change

UPSTATE DACA STUDENT JESSICA ASTUDILLO '21 HOPES TO COMPLETE HER RESIDENCY TRAINING IN THE UNITED STATES

hile many view the November election as the most important of their lifetime, the stakes are higher for some than others, including the estimated 699,350 "Dreamers" whose status in the United States is dependent on protection from the Deferred Action for Childhood Arrivals (DACA) program.

One of those is fourth-year medical student Jessica Astudillo '21, who came to the United States from Ecuador at age two. She is currently applying for residencies in pediatrics and would love to someday deliver unbiased care for patients in her home community in Queens, where she was raised. For now, the ability to achieve that goal is a gamble. Astudillo's current work permit, which is what allows her to work as resident in the United States, will expire at the end of her second year of residency. Whether she is allowed to renew her DACA status, whether she is deported, or whether there is a path to citizenship in place by then is in the hand of politicians.

Astudillo is one of approximately 200 undocumented students and residents who are receiving their education and training at U.S. medical schools and hospitals. The last four years have been particularly tumultuous with repeated legal assaults to the status of non-citizens in the United States.

Growing up, Astudillo says she was oblivious of her tenuous status in the United States until, as a middle school student, she gained admission to the prestigious Townsend Harris High School. "My guidance counselor asked for my social security number," she recalls. "I asked my mom for it and she got very nervous. I didn't understand why I didn't have one."

By age 16, when Astudillo couldn't apply for a driver's license or working

papers, she had a better understanding of what being undocumented meant. To her friends, she feigned disinterest. At the same time, with no memories of Ecuador, she viewed herself as a typical American teenager, one who dreamed of becoming a doctor some day.

She got one step closer when she was granted a full-merit scholarship to the Macaulay Honors College at the City University of New York. A year later, the DACA program was introduced to protect young adults brought to the United States illegally as children.

Astudillo says she was initially

nervous about applying for the program, fearful that perhaps "outing" herself as undocumented could cause more harm than good. She consulted an immigration attorney who assisted with her initial application. Despite her trepidation, Astudillo says receiving her DACA paperwork was "life changing."

"I could start volunteering at the hospital to get medical exposure. I got my first job. I got my driver's permit, opened up my first bank account," she says. "It was all these little things that were really, really meaningful."

Astudillo became involved with an organization called Pre-Health Dreamers,



Fourth-year medical student Jessica Astudillo wants to train as a pediatrician and hopes to return to her home community in Queens to treat immigrant patients.

which provided information for attending medical school undocumented and with DACA status, and hosted conferences where students interested in health professions could connect with each other and receive mentorship.

She was halfway through her first year of medical school at Upstate when President Donald Trump took office and began issuing a series of executive orders related to immigration enforcement. While many of her classmates were outraged, Astudillo was terrified. "I had worked so hard and gone through so many loopholes to get here," she says. "It was just very frustrating to think



"My guidance counselor asked for my social security number. I asked my mom for it and she got very nervous. I didn't understand why I didn't have one."

— Jessica Astudillo '21

that I might not be able to finish."

But she wasn't alone. Shortly after President Trump's initial immigration orders, Dean Julie White reached out to Astudillo to offer support and reassurance. Although she didn't know who they were, Astudillo became aware there were other students at Upstate with DACA status

In September 2017, the Trump Administration announced it was

ending the DACA program and rescinding the status of people enrolled in it, meaning thousands of young people across the country could face deportation. Concerned about how the policy change might impact affected students, Upstate created a faculty task force led by Robert Roger Lebel, MD, to advise students on financial aid sources (since they are ineligible for federal student aid) and legal resources.

"Because Syracuse is within 100 miles of the border, there's more of a border patrol and ICE presence here than in other areas," she says. "Dr. Lebel offered us a phone number and told us, 'If you ever find yourself in a situation where you don't know what to do, we're ready to jump in for you.' It was great having that kind of reassurance."

Emboldened, Astudillo got involved with FWD.Us, an immigration advocacy organization, traveling to Washington, DC, twice to meet with representatives of Congress. "For the first time, I told the truth about my story," she says. "Years of self-doubt and hiding were cast aside to give a voice to advocacy. This experience taught me the importance of enacting change at a much broader policy level."

On the Upstate campus, Astudillo was active with the Center for Community Engagement's Medical Education for Diverse Students (MEDS) Program, which gives underserved students from local high schools exposure to medical education. "It was something I would have loved to have done when I was in high school," she says.

After volunteering as a mentor each session as a first-year student, Astudillo became a Service Learning Leader and helped run the program in her second year, attracting nearly 50 students from Henninger and Fowler high schools. "We tried to make it as interactive as possible," she says. Topics included anatomy (brain, cardiovascular and gastrointestinal), CPR, suturing, tourniquet usage, public health, and vital signs. The program culminated with a graduation. "It was a great experience, both for the students and for me," she says.

Astudillo is also a member of the Latino Medical Student Association, which hosted a regional conference in February 2019. She led a session on human anatomy, guiding interested pre-medical students through a case in the Upstate anatomy lab.

In June, the Supreme Court ruled in favor of DACA, blocking the Trump administration's plan to dismantle the program. At present, no new applications are accepted and renewals have been shortened to one year.

Now confident that she will complete her medical education and achieve her goal of becoming a doctor, Astudillo has no choice but to be hopeful that she'll have the opportunity to complete her residency as well. "If I'm unable to renew my DACA status, my options will be limited," she says. Not every hospital has the ability to sponsor a visa. If deported, she faces a 10-year ban before she can legally re-enter the United States.

Regardless of her professional status, there is no current path for Astudillo to become a United States citizen, other than through marriage. Like others in her position, she's hoping a change in leadership may bring about permanent legislation, such as the DREAM Act.

"We can be your classmates, your friends, your teachers, your doctors," Astudillo says of those that share her limbo status. "There's so many of us all over the country working in different roles and most of us have never considered the U.S. anything but our home."

1951 Revion
September 24-25, 2021

1956 Revion
September 24-25, 2021

Willard Cohen, of DeWitt, NY, and his wife Linda will join their two sons and some of their five grand-children for a ski weekend at Labrador Mountain the last weekend in December to celebrate his 89th birthday. "I am fully recovered from my five-day hospitalization for Covid. I am very sad to report the death of my good friend Al Frankel '56 a few years ago."

1957



Presentations by David B. Levine '57 "Post Polio 1960s" and "Game Changer"

20th Century

Polio Virus Epidemics

The NEW HSS Scoliosis Surgical

blator-Dependent Program - 1960s

David B. Levine, of New York, NY, shares updates on his now 25-year era of retirement from orthopaedic surgery and administration. He retired as chief of scoliosis at Hospital for Special Surgery (HSS) in 1995. He retired from his HSS administrative activities in 2017. In 2018, the archives at HSS was named the David B. Levine, MD,

Archives and Special Collections in his honor. He continues to write and speak about medical history. The virtual 102nd HSS Annual Alumni Meeting was held October 30 in New York City. He had two presentations scheduled: Post Polio 1960s and Game Changer.

Ronald A. Nackman,

of Jericho, NY, shares that his first wife, Adrian, passed away in 1986 from lung cancer. He is now married to his second wife, Jennifer (nee Hun Fong Wong). He retired from orthopedic practice in 1998. "Since retirement I have enjoyed building craftsman-style furniture for friends and relatives, and my Bristol 40-foot cruising sailboat, which has taken me to Nova Scotia, Bermuda. Chesapeake Bay, and multiple trips along the New England coast. I have also traveled widely in Europe and somewhat in Russia, Alaska, China, Japan, and spent several weeks in Australia. We also have taken many cruises, including circumnavigating from Florida around Cape Horn to California. I have also suffered some medical problems, not too rare for an 88 year old. I have two

cardiac stents, end to end, a pacemaker, and cervical fusion from C2 to D2 with laminectomy of the cervical area. I recently recovered from green light laser treatment for BPH."

1958

George S. Goldstein,

writes, "My wife Shirley and I are happily retired in Boca Raton, FL, which unlike Syracuse, is not awaiting its first snow. Hurricanes are not much fun either! We are, like so many, trying to stay Covidfree, while most fortunately, overlooking the Atlantic Ocean. I just celebrated the 66th anniversary of my 21st birthday and our 63rd wedding anniversary. Best wishes for safety and health to all."

George B. Jacobs, of Cape Coral, FL, has finally retired from clinical practice after multiple unsuccessful attempts to retire. The first was from HUMC part b of the Rutgers Medical School. The next career was in private practice as the spine surgeon at Eastern Orthopedics, a large multi specialist orthopedic practice. After finally moving to Florida, he was a senior



George B. Jacobs '58, wife Rosanne, and Thor

consultant in spine and neurosurgery for the Veterans administration. After almost six years in that position, and at the urging of his wife, he called it a career. Jacobs continues to be active in spine specialty societies and on the editorial board of Surgical Neurology International Journal Spine Section. His wife, Rosanne Wille, retired as the provost and senior vice president of academic affairs at Lehman College of CUNY. Along with their German Shepherd, Thor, a certified and working service and therapy dog, they live in Cape Coral, which has been called the Venice of the United States because most homes are on water.



Ronald A. Nackman '57 and his wife, Jennifer

1960

Frank J. Weinstock, of Boca Raton, FL, writes, "For someone who always said he would never live in Florida, I've done a 360degree turn around. Living in Boca Raton is like being in paradise. We have a wonderful house on a small lake and are bathed in sun most of almost every day. It is rare to see rain or any type of weather that would limit our regular activities. When rain does visit us, it is usually short lived and allows us to resume normal activities in short time. It is extremely rare to ever cancel my regular tennis game. If anyone is visiting southern Florida, give a call. If I am not busy, I would love to see you if I am around."

1961 Revion

September 24-25, 2021

1963

David I. Rosen, of High Bridge, NJ, is conducting house calls only in Hunterdon County, NJ. "Medicine for fun and joy," he writes.

Carl Salzman, of
Cambridge, MA, was
awarded a Lifetime
Achievement Award by the
Massachusetts Psychiatric
Society. He is now a
member of an international
group trying to put benzodiazepines in a more
rational clinical perspective,
and has published an editorial regarding benzodiazepines in the American
Journal of Psychiatry.

Seymour Grufferman, '64 of Santa Fe, NM, has published the third novel in his Winston Sage Trilogy, *Livestock*, *Dead Stock*, an agroterrorism thriller. He is proud of having written a novel at the age of 82.

1965

Lawrence F. Simon, of Pomona, NY, is still taking call and actively practicing surgery at Montefiore Nyack Hospital.

Paul J. Honig, of Phoenix, AZ, and Sharon are enjoying time split between Arizona and Denver. "We had a wonderful time on our one and only cruise via Viking to Viking Homelands. Our two grandsons in Denver are going to the University of Pennsylvania; one is a sophomore and pre-med; the other a freshman. Our grandson in New York City is going into first grade. Hope everyone is well and tolerating Covid!"

1966 Revion September 24-25, 2021

A. Michael Kaplan, of Delray Beach, FL, retired at last and is enjoying the Berkshires in the summer and wintering in Delray. "Life is good," he writes.

1968

Robert L. Bard, of New York, NY, gave the Grand Rounds at Mount Sinai in New York City on December 4 on "Digital Skin Cancer Treatment: 3D Imaging Maps Cancer and Guides Laser Therapy Avoiding Biopsy."

1969

Nicholas Bambino, of Cornwall, NY, is still working and trying to make 50 years in Cornwall. "I am still enjoying medicine," he says.

Joann T. Dale, of Rochester, NY, enjoyed visiting with classmates at the 50th reunion last year and showing her daughter, who accompanied her, where she was born and where she lived until they moved to Portsmouth, NH, for **Bob's** stint in the Navy. "After hibernating and avoiding contact with people during the long New York winter, I was rejuvenated by the arrival of pleasant, mild weather. I have been entertaining friends and family, in groups no larger than four and at least six feet apart per Governor Cuomo, on my lawn at wine soirees

where we sip, critique the wine, and swap stories. When winter arrives, it will be back to long emails. I send my best to all of you."

Jane L. Falkenstein, of Troy, NY, enjoyed a dip in Glass Lake with her son Andy and seven-month-old daughter, Sadie Lilie, her eighth grandchild.



Jane L. Falkenstein '69 with son Andy and granddaughter Sadie Lilie

1970

Alexander E. Kuehl, of Fernandina Beach, FL, writes, "After Upstate, I was a Robert Wood Johnson Clinical Scholar at Hopkins. (Masters of Public Health and double boarded in orthopedics and emergency medicine). Then a fellowship in traumatology at Maryland Shock Trauma. I was vice president/emergency medicine of New York City Health and Hospital Corporation and faculty at Weill Cornell

Medical School. In 2001, I remarried and am semiretired to my summer home on the St. Lawrence River. Since 2010, I have been a winter resident of Amelia Island, FL. With COVID luck, our next project is a five-month world cruise."

Joel A. Strom, of Tampa, FL, writes, "Sorry to miss our 50th reunion."

1971 Revion
September 24-25, 2021

Jay B. Brodsky, of Palo Alto, CA, is preparing for retirement in August 2021. He is still clinically active but stepped down from his administrative role as associate medical director of perioperative services at Stanford. He has published three books of medical satire dealing with predatory internet journal solicitations, entitled *Publish*, *Don't Perish!* They are available on Amazon.

Bruce Hershfield, '71 of

Sparks, MD, still sees patients remotely while also editing two newsletters and farming. "I don't feel like slowing down now, particularly since psychiatrists are so much in demand," he writes.

Richard M. Stratton, of Gilbert, AZ, retired from medicine years ago. "The golden years are vaporizing, but Yuki and I enjoy our dog Paco and are hanging in there," he writes.

1972

Paul B. Nussbaum, of Guilford, CT, retired this summer after 42 years practicing nephrology and teaching students and residents. He served 10 years as chair of the Department of Medicine at Griffin Hospital in Derby, CT. He and Estelle celebrated their 50th anniversary last year. They have two children, both doctors, and three grandkids. "It's been a good ride. I still remember everyone fondly," he says.

David N. Osser, of Needham, MA, is very proud of two books out this year: *Psychopharmacology:* A Concise Overview, 3rd edition (Oxford U Press) and *Psychopharmacology* Algorithms (Wolters Kluwer).



David N. Osser '72

1973

Beverly Khnie Philip, of Chestnut Hill, MA, was named president of the American Society of Anesthesiologists (ASA), the nation's largest organization of physician anesthesiologists. She assumed office at the Anesthesiology 2020 annual meeting and will serve for one year.

Stephen J. Moses, of Orange, CT, retired July 1 after 42 years of private rheumatology practice. "I'll be joining the majority of my classmates, many of whom I am still in close contact with. It has been a great decision, although COVID has put a big damper on activities. Hope to see a great turnout at our 50th."

1976 Revion
September 24-25, 2021

1977

Anthony Scardella, of Princeton Junction, NJ, retired on July 1 from his position as professor and chief of the division of pulmonary and critical care medicine at Rutgers Robert Wood Johnson Medical School after 37 years on the faculty. "Going forward, my wife Susan and I will divide our time between our homes in southwest Florida and New Jersey. I hope that all my classmates are well and enjoying whatever stage of their career they are now in," he says.

Donald S. Stevens, of Littleton, MA, was appointed chairman of the Covid-19 Advisory Committee for the Grand Lodge of Masons in Massachusetts. He has provided specific guidance for how Masonic groups throughout Massachusetts are to function during the pandemic.



Donald S. Stevens '77

Mark W. Zilkoski, of Wolf Point, MT, managed to go to the mountains of Idaho to a place called Three Rivers Resort. "You would naturally physically isolate there, it's so spread out. We tubed and rafted the Clearwater. I managed to have eight of my nine kids there and 19 of my 22 grandkids, plus a few spouses. Stay healthy," he writes.



Mark W. Zilkoski '77 and family on vacation in

1978

David Auerbach, of Plano, TX, worked for two years (1981-1983) after his internal medicine residency as an epidemic intelligence service officer for the Centers for Disease Control (CDC). This corresponded with the onset of the AIDS epidemic. He says his time at the CDC were the most exciting years of his career.

Sharon A. Falkenheimer, of Albany, NY, completed her PhD in educational studies at Trinity International University (TIU) in 2016. Her dissertation was entitled, "Restoring Wholeness to Health Care: An International Qualitative Study of the Value, Use, and Impact of a Whole Person Training." She is an adjunct professor of bioethics at TIU and continues to teach internationally.

Robert Fulop, of Short Hills, NJ, shares that his daughter, Julie, gave birth to his first grandchild, Rose, on August 27.

1979

K. Bruce Simmons, of Jamesville, NY, retired director of Employee and Student Health and member of the Upstate Medical Alumni Foundation board, is volunteering across the Syracuse community. He is pictured at the Food Center@324 University Ave., where he volunteers weekly. The center, located near Upstate in the University United Methodist Church, distributes food, hygiene products, diapers and pet food to Syracusans who face food insecurity and poverty. Prior to the pandemic, the center served 1,000 people a month and now serves 1,000 a week. Simmons also volunteers at Restart, an organization that collects and repairs used donated furniture and distributes it to people who are restarting their lives, including those previously homeless, those released from incarceration, and survivors of domestic abuse.



K. Bruce Simmons '79

1980

Michael J. Kornstein, retired after 34 years from pathology practice in Richmond, VA, following a corporate takeover.

1981 Revion
September 24.25, 2021

1982

Mary J. Jackson, of Manlius, NY, toured Scotland and Ireland with her girls Haley and Taylor. "Enjoying retirement!"



Mary J. Jackson '82 with daughters Haley and Taylor

1986 Revion September 24-25, 2021

1987

Joseph T. Flynn, of Seattle, WA, was selected as the next editor of the journal *Pediatric* Nephrology. His term starts in January 2021.

Medication.

Meditation

Resilience

and

1989

David A. Corral, of Wexford, PA, has written and published a book for patients entitled Medication, Meditation and Resilience, available on Amazon and Kindle, that he hopes will be helpful to anyone with cancer or a chronic disease. "It describes a unique method of using focus meditation to bring about a clear mind, followed by insight meditation to better understand the disease itself, as well the mind's relation to that disease, and to facilitate sound decision making. It also outlines techniques for developing compassion for oneself, equanimity, and resilience."





Susan A. Waterman '89

Susan A. Waterman, of Rockville, MD, has been off the grid for the past two decades but recently retired from a career as a regional medical officer/psychiatrist, traveling the globe with the Central Intelligence Agency. Her next chapter will be in the field of telepsychiatry from her home in Rockville, where she lives with her daughter, a high school sophomore.

1991 Revion September 24-25, 2021

Paul C. Buechel, of Nolensville, TN, had his first book published, entitled Rise and *Soar.* He writes, "It shows how we can rise above this world's craziness, with its storms, mountains, and dark woods. It exhorts us to live life as we are meant to live it. Employing amazing survival and adventure stories from the great outdoors, as well as tales from the medical and scientific realms, I reveal how the only way to truly achieve real peace, true joy, an undeniable sense of fulfillment, and an ultimate

rescue, is to keep our focus upon He that is most important." The book can be accessed at riseandsoarministries.com.

1992

Eric Lavonas, of Denver, CO, is a senior scientific editor for the 2020 American Heart Association guidelines. He helped write the Adult Basic and Advanced Life Support, Pediatric Basic and Advanced Life Support, and Systems of Care Guidelines, which came out October 21. He is a professor of emergency medicine at the University of Colorado, practicing at Denver Health and the Rocky Mountain Poison and Drug Center. "Our organization took professional photos. This one came out way better than it had a right to! I hope all is well with my classmates," he writes.



Eric Lavonas '92

TAMATHA FENSTER, MD '08 & MARC SCHIFFMAN, MD '03

Communicating with COVID Patients

t's not uncommon for Upstate College of Medicine alumni Tamatha Fenster, MD '08, and Marc Schiffman, MD '03, to work surgical cases together at Weill Cornell Hospital in New York City, where Dr. Fenster is a gynecologic surgeon and Dr. Schiffman is an interventional radiologist. But COVID-19 provided the environment for an entirely new collaboration that may continue long after the pandemic subsides.

Working to solve the problem of how family members could communicate with their loved ones in the ICU, the two enterprising physicians discovered they could adapt a children's toy that essentially turns a smartphone into a walkie talkie for the medical environment. "You could be anywhere in the world and use your phone to talk to your relative on a ventilator through this device," says Schiffman.

It all began in April, at the height of the pandemic in New York City, when Fenster was set to be deployed as an ICU intensivist. When an influx of volunteer providers from Cayuga Medical Center made that role unnecessary, Fenster used her time to launch a program called Critical Care Connect, essentially a physician liaison program where she would round with attendings and then call patients' families with a medical update. Realizing she needed a team, she reached out to long-time friend Schiffman to participate.

While families were grateful to receive medical information on their loved one, they almost always had another request—they wanted to communicate directly with their family member.

But that was a challenge, says Fenster. "About 100 percent of the patients that we were rounding on were intubated and sedated, so that meant a nurse holding up an iPad or an iPhone to the patient, which not only put themselves at risk, but used up precious PPE and time, because at that point, there wasn't an inch in the hospital without a patient. It was just supersaturated."

In addition, actually seeing their loved ones in the condition they were in proved to be distressing for family members. After the first day of assisting



Tamatha Fenster, MD '08

with these calls, Schiffman says he realized how terrible the situation was. "Families were not just disconnected from their loved ones but had no way to say goodbye when the prognosis was extremely grim," he says.

Schiffman began googling and came upon a kids toy sold at Target—a small speaker that connects to an app on an iPhone or Tablet, essentially working like a walkie talkie. According to the website, the Target in Harlem had a couple of the devices in stock. "I drove straight there from the hospital after work, trying to get there before the store closed," he recalls. "When I walked in in scrubs, everyone started clapping and cheering and I was ushered to the front of the line."

Schiffman charged the devices overnight and tried them out the next day on rounds. "The family response was unbelievable," he says. "Multiple family members could participate at once. They could sing. They could pray."

After receiving go-ahead from their hospital, Fenster and Schiffman began reaching out to the manufacturer of the device through channels such as Facebook and LinkedIn. By the end of the day, the company agreed to donate enough devices for every intubated and comapatient at the hospital.

There were some limitations, principally, contamination. But Fenster and Schiffman designed a case for the device made of medicalgrade PVC that allowed it to be cleaned with hospital wipes, bleached, or sterilized. It also covered the button that allows for outgoing communication so there would be no concern about privacy or HIPAA violations.



Marc Schiffman, MD '03

"Basically, we could put the device in a room and families could communicate with their loved ones whenever they wanted," says Schiffman. "We had family members from

Australia, Israel, Argentina, that got to say goodbye to their relatives when they would never have had that opportunity. Even though those patients weren't necessarily conscious, it gave their families tremendous comfort."

With the impact of this communication apparent,
Schiffman and Fenster realized it didn't have to be limited to COVID patients.
"We think that this is going to transform communications in all hospitals," says Schiffman.
"Having the ability for family members and friends to be able to reach out and communicate to patients, we think that that's a fundamental human right that's just not been addressed in hospitals."

Currently, a pilot study is underway using the device on other floors, including palliative care, pediatrics, and medicine floors. Fenster believes there are even more applications to explore. "One of the scariest times for my patients is when they're being wheeled to the operating room for surgery. It's that 20 minutes when they're in the hall being pushed, they're about to get anesthesia, they're getting IVs," she says. "To have family talking to them through a speaker would be invaluable. I can see it working magic in that setting."

—Renée Gearhart Levy

Voice Lov



Schiffman on the job.

Matthew Doust '98 is an anesthesiologist and pain medicine specialist in Phoenix, AZ. He is also a founder of the Hope Research Institute, a multi-specialty research company that conducts clinical research trials in conjunction with the nation's leading pharmaceutical companies. Dr. Doust has been involved with trials for four Stage 3 vaccines for COVID-19, including the Pfizer/BioNTech vaccine.

Philip Amatulle, of Naples, FL, is the proud co-owner and director of a startup medical software company called Radloop, a service that manages incidental findings in radiology reports. Please visit radloop. net for more information.

1996 Revion September 24-25, 2021

Ashish P. Shah and Candice E. Shah (Panarello), have moved to Raleigh-Durham, North Carolina, after being in Delaware for 14 years. Ashish looks forward to joining a new gastroenterology practice. Candice looks forward to continuing family medicine. "We've been enjoying our summer exploring the area with our three children ages eight, 12 and 14. We are excited to be welcoming our first puppy next week!"



bRevion

Erin (Murphy) Masaba and Oliver Masaba, of Pittsford, NY, welcomed their baby boy, Bennett Kingsley, on August 1.



Evelyn Rose with new brother Bennett Kingsley, children of Erin '09 and Oliver Masaba '09

2011 Revion 2016 Revion September 24.25, 2021

Max N. Halpern, and his wife Joanna welcomed their daughter Liba in July. She joins big brother Isaac, who is three years old. They reside in the Bronx.



Isaac and Liba, children of Max N. Halpern '13

Nikolai V. Kolotiniuk, of Fresno, CA, writes, "Time flies:)"

Andrew J. Bellantoni

and Courtney E. Bellantoni, of Glen Oaks, NY, are thrilled to announce the birth of their first child. Sadie Theresa, born June 19. Sadie hopes the pandemic ends so she won't have to do virtual learning when she joins the Upstate Medical University Class of 2046!



Sadie Theresa, daughter of Andrew J. Bellantoni '16



Nikolai V. Kolotiniuk '13 with children Nate, Liam, Kaia, and his wife, Olga



Ashish P. Shah '00 and Candice E. Shah '00 and their children

HEATHER HIRSCH, MD '10, MS

Mythbusting Menopause

s a fellow in women's health at the Cleveland Clinic, internist Heather Hirsch, MD '10, MS, quickly zeroed in on one patient population that was particularly desperate for help—women in midlife and menopause. Despite menopause affecting half of the world's population at some point in their lives, the condition seemed widely misunderstood and Dr. Hirsch saw that patients were often inappropriately treated or not treated at all for sometimes debilitating symptoms having serious impact on quality of life.

"I was shaken that so many physicians did not have the right information to treat midlife and menopause and that women were often left on their own to find information," she says.

Determined to make a difference, Hirsch says she became passionate about educating women, physicians, residents, and medical students about menopause and midlife women's health. "When women get into their forties and their sex hormones change, that is the same time chronic diseases start to develop," she says. "I would argue that how someone takes care of you during your midlife is going to set up how you feel in your fifties, sixties, and beyond."

Today, Hirsch is clinical program director of a new Menopause and Midlife Clinic at Boston's Brigham and Women's Hospital, a consultative clinic where she helps patients sort through issues related to their menopause or perimenopause. As a faculty member at Harvard Medical School, she also educates medical students, residents, and other physicians, and teaches continuing medical education courses.

Much of her effort is spent mythbusting about hormone therapy. "I always poll my residents. Many medical students are still learning that hormone replacement therapy (HRT) is dangerous and should only be used as a last resort," says Hirsch, who completed a year of OB/GYN residency before switching to internal medicine. She says this belief lingers from early findings from the Women's Health Initiative study in the early 2000s that led to hysteria over the safety of HRT, despite ample evidence showing flaws in that study and its results. Hirsch believes significant data has subsequently demonstrated the safety and efficacy of HRT compared with other commonplace medications that can have serious long-term complications—including seizure medications, insulin, aspirin, and antibiotics. "For most patients, HRT is overall quite safe and certainly beneficial," she says.

Hirsch stresses she is referring to FDA-approved medications, not so-called compounded bio-identical hormones or implantable hormone pellets. "These are actually not bio-identical to anything, inconsistent in dosage, and you don't know what you're actually getting," she says.

A women's studies major as an undergraduate at Syracuse University, Hirsch believes there are three major reasons why there is such a void of



Heather Hirsch, MD '10 is on a mission to expose and fill the gaps in women's health care, with a focus on midlife and menopause.

knowledge surrounding menopause, arguments she laid out in a perspective article in the June 2020 *Journal of Internal Medicine*. First is the lack of evidence-based educational content taught on menopause in medical school and residency programs. "Both internal medicine doctors and OB/GYN's receive very little, if any, education on menopause," she says.

That leads to the second reason, which is steeped in ageism and sexism. "Menopause is socially charged. People don't talk about it. There's an attitude that hot flashes are annoying, but they're not going to kill you. It's just sort of pushed aside," Hirsch says.

And finally, the public is bombarded with information to sort through, and much of the information on menopause is outdated, inconsistent, and harmful.

Hirsch is doing her part to correct misinformation and educate a wider audience through both a podcast and YouTube channel, "Health by Heather Hirsch, MD," which covers topics related to midlife and menopausal health, including HRT, sexual health and libido, fitness, diet, sleep, and associated health issues.

"There are so many social and cultural implications to menopause, including unrealistic expectations of beauty, aging, and sexuality," says Hirsch, who presented a Grand Rounds on "The Swinging Pendulum in Menopause Hormone Therapy" at Upstate in 2019. "Not all women need treatment for menopause, but there's absolutely no reason for women to suffer with serious menopausal symptoms that compromise their quality of life and their health."

—Renée Gearhart Levy



Ryan G. Holstead '16 and Ryann M. Quinn '16

Ryan G. Holstead and Ryann M. Quinn, of Richmond Hill, NY, are happy to announce that they were married on September 26, 2020 in New York City.

Thomas M. Marino, of Buffalo, NY, joined a private practice anesthesiology group, Parkside Medical Anesthesia Associates, in July. He was married on August 22.

2017

Ramzi A. El-Hassan, of Rochester, NY, and Diana M. Dunn, PhD, got married on August 10, 2017, lakeside in Skaneateles with the reception at the Rosamond Gifford Zoo in Syracuse. They both are working at the University of Rochester Medical Center (URMC). Diana is a post-doctoral fellow and has secured fellowship grant funding through the American Cancer Society for her research on human cytomegalovirus. She is also acting as a consultant for research addressing the novel coronavirus. Ramzi changed fields from urology to physical medicine and rehabilitation. He is now a chief resident and will be completing a fellowship in interventional spine at URMC Spine Center next year.

Caitlin A. Nicholson, of Chicago, IL, recently married Emily Reeves on September 5, in Ithaca, NY. She reunited with four of



Caitlin A. Nicholson '17 and Emily Reeves



Marcy L. VanArnam '17, Rosemarie Mastropolo '17, Caitlin A. Nicholson '17, Kristine M. Faulknham '17, Emily L. Kellogg '17

her medical school classmates at the wedding.

Macy L. VanArnam,
current PGY-4 resident in
OB/GYN at Abington
Memorial Hospital in
Abington, PA; Rosemarie
Mastropolo, current chief
resident in pediatrics at
UPMC in Pittsburgh, PA;
Kristine M. Faulknham,
attending family medicine
physician at FamilyCare Medical Group in Syracuse; and **Emily L. Kellogg**, current PGY-4 resident in OB/GYN at Tufts Medical Center in Boston. Caitlin is currently a primary care sports medicine fellow at Rush University in Chicago.







Brendon L. Verhave '19 on Halloween

2019

Michael Booth, of Morgantown, WV, shares a "well known fact" that one of his best friends, **Brendon** L. Verhave, has dressed up as a taco every year for Halloween since they started medical school.

Residency

Jeffrey A. Greenberg, of Carmel, IN, has been elected to the presidential line of the American Society for Surgery of the Hand. He is currently president-elect and will serve his term as president for the academic year 2021-2022. He will preside over the annual meeting in Boston in September 2022.

P. Jagannadha Reddy, of Wichita, KS, completed one year of plastic surgery residency at Upstate Medical Center in 1972-1973. He was board certified in general surgery in 1977 and subsequently has been recertified five times, 1986, 1994, 2007, 2018 and 2020. The American Board of Surgery says there are only a few surgeons in the country who have been recertified five times.



P. Jagannadha Reddy

Mystery Solved



George S. Goldstein, MD '58, called regarding the mystery photo on page 33 of the Autumn *Alumni Journal*. He was excited to be able to identify some of his classmates:

From left: Stuart L. Yunis, Ronald J. Dougherty, unknown, Andrew G. Aronfy. And behind the professor: Donald M. Bebak, unknown, Harvey Hayman, and Howard Weinberger.

Do you have photographs or papers from your school days that you would like to donate? For details email Howec@upstate.edu or call (315) 464-4585.

IN MEMORIAM

1952

JOHN R. ISAAC, of Syracuse, NY, died August 10. Dr. Isaac joined the Navy in early 1945. He completed boot camp in Geneva, NY, followed by training as a hospital corpsman in San Diego. That experience motivated his interest in medicine that carried through his return to Wesleyan after the war. After a two year tour of duty as a surgeon in the U.S. Air Force, he returned to Upstate Medical University for his residency training in OB/GYN. He practiced at Community General Hospital for 56 years until his retirement in 2007, delivering more than 5,000 babies. Isaac was survived by his wife, Linda; sons Jeffrey and Thomas; daughters Jennifer and Cara; stepchildren Cindy, Mark and Amy; and 12 grandchil-

1954

ADRIAN BECKER, of Plainview, NY, died January 25. Dr. Becker served as a captain in the U.S. Army in Korea. He practiced internal medicine for many years in Plainview, New York. Dr. Becker was survived by his wife, Carolyn; daughters Jane and Lauren; son Jonathan; and three grandchildren.

ALFRED J. DOBBS, of Dobbs Ferry, NY, died September 13, 2005.

1958

EMANUEL (MANNY) FRISCH, of Okemos, MI, died March 22. Dr. Frisch was drafted into the U.S. Army at the start of the Korean War and was stationed in Germany, where he discovered his inclination toward medicine. He and his family moved to Detroit in 1962 and he began his medical career in internal medicine at Metropolitan Hospital, where he became chief of medicine. Frisch later moved to private medical practice in Southfield, MI. He instructed medical students at Wayne State University School of Medicine and treated patients at Hutzel and Sinai Hospitals. He was loved and respected by his patients and colleagues. Frisch was survived by his daughters, Wendy and Robin; son Matt; and five granddaughters.

E. Robert Heitzman, MD '51

E. ROBERT HEITZMAN, MD '51, of

Syracuse, NY died on November 4 after a long battle with cancer. A Syracuse native, Dr. Heitzman completed five semesters at Syracuse University before he was drafted into the Navy. After completing his service, he returned to Syracuse and began his association with SUNY Upstate in the late 1940s when he was admitted to what was then the College of Medicine at Syracuse University. After residency and fellowship in radiology at the University of Minnesota Hospitals, he was drafted as a medical doctor into the Air Force during the Korean War. He and his wife, Betty, spent 21 months at Barksdale Air Force Base, until 1957, when he joined the Upstate faculty as an assistant professor of radiology. Heitzman's leadership positions during his Upstate tenure included serving as chair of the Department of Radiology and director of the department's diagnostic division. Other Central New York medical institutions benefited from his leadership when he served as radiology chief at Crouse-Irving Hospital and the Veterans Affairs Medical Center. He served in leadership positions of nearly a dozen scientific and medical societies, including state president of the American College of Radiology in 1973, president of

the Fleischner Society in 1978, and president of the Radiological Society of North America in 1990. An acclaimed researcher in the anatomy of the lung and its diseases, Heitzman is author of the classic texts The Lung: Radiologic-Pathologic Correlations, The Mediastinum, and hundreds of articles on diseases of the chest. He was invited to give scientific and educational presentations at more than 90 hospitals and universities in 14 countries. Among Heitzman's numerous honors are his appointment as a SUNY Distinguished Service Professor. In 1998 SUNY Upstate established the E. Robert Heitzman, MD, Endowed Professor of Radiological Research, which remains one of the most widely supported endowments in the history of the university, a testament to Dr. Heitzman's widespread influence on trainees, colleagues, and friends. He was preceded in death by his wife Elizabeth B. Heitzman. He was survived by his sister and brother-in-law, Joan and and James Gorman; daughter Dr. Elizabeth and her husband Dr. Laurence Donahue; daughter Dr. Anne and her husband Dr. Stephen Rowley; son E. Robert III; daughter Carol and her husband Dr. Robert Mastey; 12 grand children; and seven great-grandchildren.



1959

BYRON B. HAMILTON, of Youngsville, NC, died January 5. Dr. Hamilton was survived by his wife Joan and family.

1962

JEROME M. REICH, of Vancouver, WA, died June 23. Dr. Reich worked as a pulmonologist at Kaiser Permanente for nearly 25 years. He did his postdoctoral training at University of Utah affiliated hospitals. He was a pulmonologist, polymath, environmental steward, and outdoor enthusiast. He was best known for his original research into sarcoidosis and completed "Reappraisal of Prevailing Premises in Sarcoidosis" in the final year of his life. Reich was survived by two daughters, a son, and four grandchildren.

1964

KENNARD C. KOBRIN, of Barrington, RI, died February 8. Dr. Kobrin served in the U.S. Army during the Vietnam War as Medical Corps Captain. He was a clinical psychiatrist for more than 50 years and always advocated for his patients. He had his own private practice in Fall River, MA. Kobrin was survived by his wife, Nora; and four children: Makenna, Kendra, Daniel, and Naomi.

1970

MICHAEL HARRIS, of Mount Pleasant, SC, died December 1, 2019. Dr. Harris completed one year of general medicine at Jackson Memorial Hospital in Miami, FL. He was then drafted and served in the Marines as a medical officer where he discovered his passion for ophthalmology. Harris did his residency at Albert Einstein Hospital in New York and opened his own practice in Livingston, NJ, serving the community for 43 years. He was survived by his wife, Gail; sons Kenneth, Richard and Trevor; and three grandchildren.

1977

STEVEN HENRY COOK, of Banner Elk, NC, died August 22. Dr. Cook completed an internship in Somerville, NJ, and a family practice residency in Johnson City, NY. He established a family medical practice in Johnson City and worked in the practice for 12 years. In 1994 they moved to Banner Elk where he practiced medicine for another 17 years. Cook had a passion for ministry and mission work. He organized more than 10 medical mission trips to Haiti, where doctors, nurses and non-medical volunteers would treat those without regular access to medical care. Ministry was as important to him as medical treatment and he used these trips to share Jesus' love through his actions. Cook was survived by his wife, Bobbie; sons James, Bill and Andrew; daughter Mary; and nine grandchildren.

1978

BARRY ABRAMS, of Oak Park, IL, died September 20. He was survived by his wife, Hilda; and sons Noah and Nathaniel.

1979

DAVID W. AVERY, of Vienna, WV, died August 5. Dr. Avery practiced family medicine in the Parkersburg area for more than 35 years until his retirement. For many years, he also served as the team doctor for the Parkersburg South and Parkersburg Catholic football teams. Avery was also active in primary care medical missions to Nicaragua with area Rotary groups and Love in Action-Nicaragua. Avery was survived by his mother Mary; wife Elaine; son Seth; and two granddaughters.

1985

JOSEPHINE M. DALUGA, of

Henderson, NV, died August 11. Dr. Daluga completed a surgical internship at Queen's Hospital in Honolulu, HI, before entering a two-year residency specializing in emergency medicine at Kern Medical Center in Bakersfield, CA. She worked as a board certified ER physician at Kaiser Permanente in Oakland in 1988. In 1990, she transferred to the ER at Kaiser Permanente in Sacramento. Daluga worked as a physician her entire career, spending time at Peace Health Urgent Care in Deugen, OR; Legacy Urgent Care in Henderson, NE; and Concentra in Las Vegas, NE. She retired in 2019 from her most gratifying work, providing physicals to the entire Clark county population of police officers and firefighters. Daluga was survived by her mother Patricia; husband David Schultz; daughter Alexandra; and son Maximilian.

1997

GERALD T. SIMMONS, of Oswego, NY, died June 28. Dr. Simmons was a member of the Carpenters Local 747 for 22 years before becoming a physician. He ran his own medical practice, Oswego Family Medicine, for 17 years, before joining ConnextCare's Oswego group. Simmons was survived by his children, Jonathan and Erin; sons Nicholas and Zachary LaMonica; long-time companion Julie Foster; and two grandchildren.

2012

MIKHAIL GERTSBERG, of Brooklyn, NY, died March 2, 2016.

IN MEMORIAN



Faculty/Resident

TARAKAD RAMACHANDRAN, of Jamesville, NY, died October 9. He obtained board certification in internal medicine from the Royal College of Physicians, London, which also awarded him a fellowship. He earned additional fellowships from the Royal Colleges of Physicians of Glasgow, Edinburgh, and Ireland. He completed his residency in neurology and served as chief resident at SUNY Upstate Medical Center. He then completed his subspecialty training in neuromuscular disease in Boston. A lifelong learner, Dr. Ramachandran earned board certifications in more than 10 additional medical specialties. He was professor of neurology and psychiatry at Upstate Medical University and chief of neurology and director of stroke medicine and rehabilitation at Crouse Hospital. He was world renowned and highly published in neurology. He served as president of the World Neurology Foundation and made lasting contributions to international neurology education. He also served his country as a major in the U.S. Army Reserve and later as the director of ambulatory neurology at the Veterans Affairs Hospital in Syracuse. Professionally, Ramachandran was known for clinical excellence, supreme teaching ability, ever-present compassion, and a highly analytical mind. He was often the "doctor's doctor" and diagnostician of last resort for cases that would otherwise remain unsolved. His numerous teaching awards are testament to his commitment to medical student and resident education. Despite his many medical accomplishments, Ramachandran was proudest of his family. He was survived by his wife, Melanie Dhanda Ramachandran '80; three sons, Manoj, Arun, and Devan; and seven prized grandchildren, Navya, Silas, Lola, Arjun, Aero, Roman, and Luxman. Donations may be made to the Dr. Tarakad Ramachandran Neurology Scholarship Fund at Upstate Medical Alumni Foundation, 750 E Adams St, Setnor 1510, Syracuse, NY 13210, medalumni.upstate.edu/ scholarshipgifts or (315) 464-4362.

Residents

MUHAMMAD MUNAWAR BUTT, of

Traverse City, MI, died April 26, 2019. Dr. Butt was born in Lahore, Pakistan. He attended King Edward Medical College in Lahore and completed his residency in psychiatry at Upstate. He practiced psychiatry in Chicago, Muskegon, Grand Rapids and Traverse City. He was survived by his wife, Joanne; children Corinna, Sarah, and Shaun; and five grandchildren.

DUANE M. CADY, of Lafayette, NY, died August 3. Dr. Cady graduated from Loma Linda California University School of Medicine in 1959 and performed his surgical training at Upstate Medical University. He practiced general surgery at St. Joseph's Hospital in Syracuse until his retirement in 1998. Cady served as a captain in the U.S. Army from 1964-1966, which included a tour of duty in Vietnam. He was president of the Onondaga County Medical Society and chairman of the Board of the American Medical Association. He was survived by his wife, Joyce; and children Jann, Mark, Beth, David and Jeffrey; 10 grandchildren; and two great-grandchildren.

GARY W. FARMER, of Marina Del Rey, CA, died September 16. After receiving his medical degree, the U.S. Government and Department of the Army provided a Doctor Draft from 1965-1967 during the Vietnam war. His internships and residency were scattered from 1964-1965 and 1967-1969. He did a two-year fellowship in gastroenterology at UCLA from 1969-1971. He was in private practice of internal medicine and GI from 1971-1994 and then moved to Maine to practice gastroenterology until a few years ago. Farmer was survived by his wife, Linda.

ROBERT A. FELDMAN, of Santa Fe, NM, died July 22. Dr. Feldman graduated medical school in 1970. He had a one-year surgical internship at Washington University/Barnes Hospital in St. Louis followed by a five-year residency in neurosurgery at Upstate Medical Center. When an opportunity arose for a one-year surgical fellowship at the Royal London Hospital, he seized it. Returning to the United States, he joined the faculty at UCLA. He was hands on and invested in oneon-one health care. Feldman moved to Santa Fe, where for three years, he was the only neurosurgeon in town. From establishing his own practice in 1980, to his first retirement in 2005, to his final retirement in 2013, he dedicated himself to caring for his community. Feldman was survived by his wife, Ellyn; son Jeb; daughter Abby; and one grandson.

PETER C. LEE, of Saint Louis, MO, died August 21, 2018. Dr. Lee came to the United States from Seoul, Korea, in 1954. He attended Howard University and completed a dermatology residency at Northwestern University. He was a dermatopathologist for 44 years in Granite City, IL, and St. Louis County. He was survived by his wife Antoinette; sons Jay and Gene; and daughter Sue.

DAVID F. MAHON, of Bar Harbor, ME, died September 2. Dr. Mahon received his medical degree from the State University of New York in Brooklyn in 1965. He performed an internship at the Boston City Hospital followed by two years in the U.S. Air Force. He began his radiology residency at Upstate in 1968. He practiced in the medical imaging field for the next 29 years, retiring to Southwest Harbor in 1997. He was survived by his sisters, Elizabeth and Miriam; two nieces, and a nephew.

DAVID A. PERRY, of Troy, NY, died April 25. Dr. Perry began his career as a psychiatrist in Syracuse. In the 1980s, he moved to Cornwall-On-Hudson to practice group psychotherapy, which continued until the end of 2019. Perry was survived by his wife, Susan; daughter Noelle; son Nathan; and eight grandchildren.

FIORE R. RULLO, of Cumberland, RI, died November 2, 2019. Dr. Rullo served in the U.S. Air Force Aviation Cadet program. He was stationed for one year on Okinawa. He was honorably discharged from the 8th Air Force. He attended Boston University School of Medicine, completed postgraduate training at Boston City Hospital and Upstate Medical University, then completed a two-year fellowship in medicine at Lahey Clinic in Boston. He began his practice of internal medicine in Attleboro and was active in hospital affairs, serving as chief of medicine, president of the medical staff, chief of electrocardiography, and chaired several hospital committees. He was survived by his wife, Mary; daughters Susan and Patricia; sons Steven, Thomas, David, and John; nine grandchildren; and two great grandchildren.

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