INSIDE

- 2 LASKER TRIUMPH
 Researcher Gregg Semenza wins
 prestigious award for his discovery
 on how cells sense oxygen.
- 3 ZEALOUS ABOUT ZIKA
 New Johns Hopkins Zika Center to diagnose
 and treat the virus that causes brain and eye
 abnormalities.
- 5 A TALE OF ENDURING BONDS Four Suburban Hospital nurses reflect on their 147 combined years of service and friendship.

INSIGHT

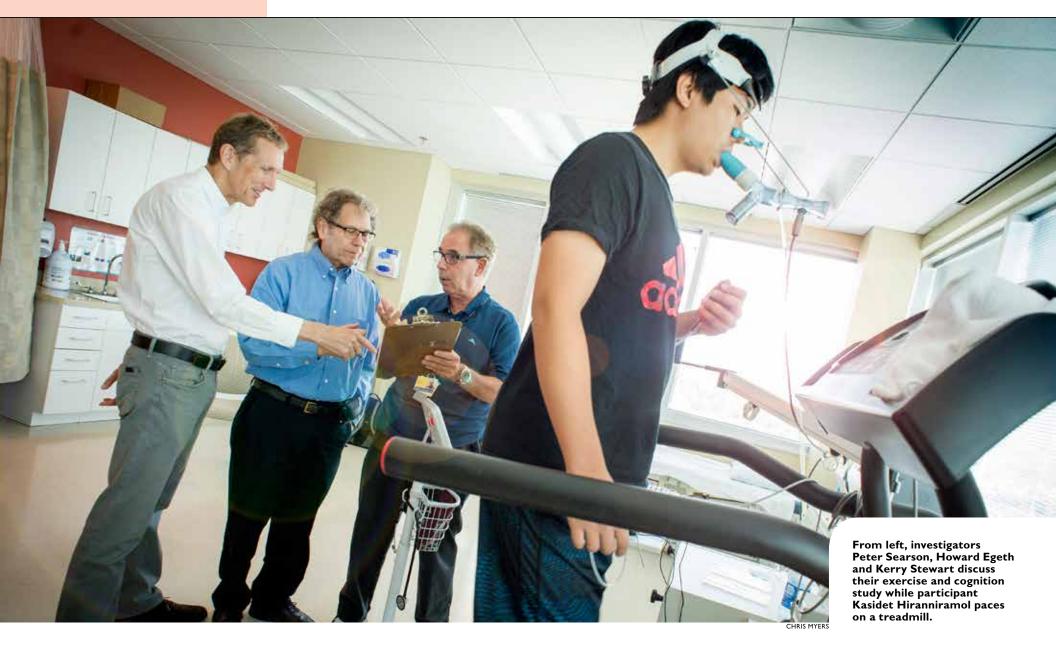
PRECISION MEDICINE

A Johns Hopkins-developed web application predicts course of low-risk prostate cancer.



A publication for the Johns Hopkins Medicine family

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Grants Give Collaborations a Running Start

University and school of medicine funding programs encourage researchers to team with experts in other disciplines.

EARLY EVERY DAY, Peter Searson, director of the Institute for NanoBioTechnology, leaves his office to run between 5 and 10 miles with members of the Hopkins Harriers, a group he helped found in 2000.

The midmorning exercise seems to sharpen his thinking, he says, and staves off late-afternoon drowsiness.

Searson studies the blood-brain barrier. He wonders if intense exercise really does improve cognition, perhaps by generating proteins that can somehow get past the brain's protective filter.

"For years, I've been thinking about how I could turn my interest into an inquiry," he says.

Searson got his chance in early 2015, when The Johns Hopkins University launched the Discovery Awards program. The fund encourages collaborative research, paying as much as \$150,000 for studies led by researchers from more than one Johns Hopkins school or affiliate. The idea is to support explorations that can lead to larger, grant-funded studies, says Denis Wirtz, the university's vice provost for research.

Within days of the Discovery announcement, Searson contacted Kerry Stewart, exercise physiologist in the school of medicine, and Howard Egeth, cognitive psychologist in the Krieger School of Arts and Sciences.

Fast forward to the summer of 2016. The three investigators are comparing notes as they stand in the Clinical Research Unit at Johns Hopkins Bayview (continued on page 4)



Learn more about the strategic priority for biomedical discovery online at hopkinsmedicine.org/ strategic_plan.

Exciting Developments Everywhere

RONALD R. PETERSON PRESIDENT, JOHNS HOPKINS HEALTH SYSTEM EXECUTIVE VICE PRESIDENT, JOHNS HOPKINS MEDICINE

ere in East Baltimore, the change of leadership at The Johns Hopkins Hospital has generated much excitement—and rightly so. Dr. Redonda Miller's appointment to succeed me as president of the hospital on July 1 was widely applauded, and she quickly has demonstrated tremendous promise as a vibrant, engaging new leader.



From my vantage point as president of the Johns Hopkins Health System, I can report that

The Johns Hopkins Hospital isn't alone when it comes to exciting new developments. All of our medical centers are either completing or embarking upon noteworthy ventures. Here are a few highlights:

At Johns Hopkins Bayview Medical Center, preliminary plans are now underway for construction of a much-needed new patient tower. Johns Hopkins Bayview is the only major hospital in the Baltimore area without a complement of all-private inpatient beds. We need to change that. An integral part of the planning process includes important discussions about how to better coordinate clinical services across the two academic campuses. Examples of such joint planning efforts include maternal and child services, neurosciences, orthopaedic surgery, and other surgical and medical disciplines.

In the national capital region, great things are happening at both Sibley Memorial Hospital and Suburban Hospital.

Sibley's magnificent, beautifully designed, 200 all-private-bed medical center—appropriately named the New Sibley—opened in September after three years of construction. Budgeted to cost around \$240 million, it likely will come in under budget—something that rarely happens these days! It introduces Johns Hopkins cancer care to the region with a new branch of the Johns Hopkins Kimmel Cancer Center, including expanded inpatient oncology units, a pediatric radiation oncology unit and plans for installation of proton beam therapy. In addition, it has a new Women's and Infants' Services Department, with 19 private, special care nursery bassinets, an orthopaedic unit with a rehabilitation gym, and integrated technology to improve the patient and visitor experience.

At Suburban, we are planning for a comprehensive physical redevelopment of the medical center and its campus. All of this will be overseen by Suburban's new president, Jacqueline "Jacky" Schultz, a 30-year veteran of the health care industry, with the last 11 years at Suburban. She served splendidly as interim president for nine months before the Suburban board made her appointment permanent in July.

Just as the academic division is immersed in joint program planning, our National Capital Region Planning Committee, consisting of Sibley and Suburban board members, executive leadership, and representatives from Johns Hopkins Medicine, is also focusing intensely on determining which medical center is best suited to provide various services.

Howard County General Hospital has been inundated with new patients due to the closure of services at Laurel Regional Hospital. Howard County General is now approaching full occupancy on a day-to-day basis. Plans are underway to significantly increase bed capacity and address the substantial need to improve psychiatric facilities.

The last time I visited Johns Hopkins All Children's Hospital in St. Petersburg, Florida, I looked out of President Jonathan Ellen's office window and got a bird's-eye view of the major research building currently under construction there. Five years ago, the desire of the hospital's trustees to become an academically driven medical center was a main reason behind their agreement to join Johns Hopkins Medicine. Now, an exciting, beautiful new research and education facility will soon be part of their campus—fulfilling that long-held wish.

Lasker Award Winner

Johns Hopkins researcher wins prestigious award for insights into how cells sense oxygen.

REGG SEMENZA, WHOSE DISCOVERIES ON HOW CELLS RESPOND TO LOW OXYGEN levels could result in treatments for illnesses ranging from cancer to diabetes, is among three researchers to receive the 2016 Albert Lasker Basic Medical Research Award.

Last month, The Lasker Foundation recognized Semenza, director of the Vascular Biology Program in the Institute for Cell Engineering, along with co-winners William Kaelin Jr. of Dana-Farber Cancer Institute and Peter Ratcliffe of Oxford University, for the "discovery of essential pathways by which human and animal cells sense and adapt to the presence of oxygen." They shared an award of \$250,000.

Semenza, 60, is best known for his groundbreaking discovery of hypoxia-inducible factor 1, or HIF-1, the protein that switches genes on and off in cells in response to low oxygen levels. This finding, along with his additional work clarifying the molecular mechanisms of oxygen regulation in cells, has far-reaching implications in understanding the impact of low oxygen levels in cancer, diabetes, coronary artery disease and other conditions.

His research paves the way for developing drugs that could kill cancer cells by cutting off the supply of oxygen a tumor needs to grow or could increase the ability of HIF-1 to ensure that tissues affected by such conditions as arterial disease can survive on low oxygen levels.

The Lasker Awards recognize the contributions of scientists, clinicians and public servants who have made major advances in the understanding, diagnosis, treatment, cure or prevention of human disease. They are among the most prestigious awards in science.

A native of New York City, Semenza earned his M.D./ Ph.D. from the University of Pennsylvania and completed his internship and residency in pediatrics at Duke University. He began his career at Johns Hopkins in 1986 with a postdoctoral fellowship in medical genetics.

A member of the McKusick-Nathans Institute of Genetic Medicine and Johns Hopkins Kimmel Cancer Center, Semenza has authored more than 400 research articles and book chapters, which have been cited more than 100,000 times. He is editor-in-chief of the *Journal of Molecular Medicine*.

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To learn more and to see a video, visit hopkinsmedicine.org/dome.

PATIENT- AND FAMILY-CENTERED CARE





Meet the New Sibley

Long-awaited expansion offers improvements in patient-centered care and state-of-the-art technology.

HE NEW PATIENT TOWER OF SIBLEY Memorial Hospital, which opened on Sept. 26, features 200 all-private rooms and the Sidney Kimmel Cancer Center, which offers expanded space for medical oncology, including 34 private infusion rooms and an inpatient oncology unit. In addition, the new building also contains the region's only radiation oncology program dedicated to children. Other improvements that are part of the 475,000-square-foot hospital expansion include two floors of women's and infants' services and an orthopaedic unit with a rehabilitation clinic. The new patient tower will be LEED Gold Certified and includes many green features, including the largest green roof of any health care facility in Washington, D.C.

The Emergency Department, which opened last year, has 28 new treatment rooms; CT and MRI capabilities within and adjacent to the new ED; and specialized, fixed decontamination showers to handle exposure to radiation, chemical or biological contaminants.



To learn more, go to hopkinmedicine.org/dome.

Johns Hopkins Comprehensive Care Center for Zika Virus Opens

ter will diagnose and treat pregnant women, newborn babies, and men and women of all ages with the mosquito-borne and sexually transmitted virus. Scientists will assess long-term effects of the virus as well as new approaches to its prevention and treatment. Developed under the leadership of the Wilmer Eye Institute, the center is composed of providers and staff members from many adult and pediatric departments and divisions within Johns Hopkins Medicine and the Bloomberg School of Public Health.

"This breadth gives us the ability to diagnose, treat and help prevent further proliferation of disease," says ophthalmologist and center director William May of the Wilmer Eye Institute.

Zika virus is known to cause microcephaly, a birth defect that affects the brain, but is also reported to cause eye abnormalities in more than half of babies infected with the illness. The Wilmer Eye Institute and its faculty members will diagnose and, in many cases, treat people of all ages for eye diseases associated with Zika virus, including cataracts.

Adults and children worldwide can be referred to the center by outside physicians or through several Johns Hopkins departments and divisions, including emergency medicine and maternal-fetal medicine. Patients can also call the Wilmer Eye Institute to schedule an appointment.

-Kim Polyniak



INTEGRATION

Epic Experts Share What Works

ANNY LEE HAD AN IDEA.

It was 2013, and Epic had just gone live for Johns Hopkins Community Physicians locations, including Odenton, where Lee is an internist and the office medical director. He wanted the electronic medical record system to better help clinicians meet Accountable Care Organization standards. ACOs, like the Johns Hopkins Medicine Alliance for Patients, provide coordinated care across specialties to Medicare patients.

So Lee, who leads Epic development for community physicians, created a dashboard that prompts providers to schedule and track preventive care supporting ACO standards, including screenings for breast cancer, depression and fall risk.

As a result, ACO metrics improved across ambulatory sites. Breast cancer screenings for appropriate patients rose from 59 percent to 64 percent, for example. Depression screenings went from 47 percent to 74 percent, and fall risk screening jumped from 24 percent of eligible patients to 70 percent.

A few months ago, Lee took his success story to the Expert Group Meeting, an annual event hosted by the Epic Systems Corporation at its headquarters in Verona, Wisconsin.

The weeklong conference attracts Epic designers and users from across the country, who share ideas and give talks about their experiences with Epic. Lee's presentation, "Epic Tools to Meet Every ACO Metric," was among 26 given by Johns Hopkins Medicine experts. Here are three others:

—Karen Nitkin



Title: Transport Goes Mobile

Presenter: **Tara Waldrop**, *Epic application coordinator*

Technology: An app called Rover assigns and manages hospital transport, such as taking a patient from the Emergency Department to a hospital bed, or from a bed to the operating room. Transporters use mobile devices to accept assignments and indicate when they are in progress and complete. Rover provides the patient's name, date of birth, weight, and locations of pickup and drop-off. A comment field has room for information, such as whether a patient can communicate verbally or needs oxygen.

Where and When: Rover was introduced at Johns Hopkins Bayview Medical Center in 2015.

Results: Transport time dropped six minutes because transporters have information with them and no longer have to find and use computers in the hospital.



Title: MyChart eCheck-In

Presenters: **Kelly Cavallio**, *Epic operations administrator* **Steven Klapper**, *Epic project lead*

Technology: With eCheck-In, patients can confirm appointments, update insurance, verify medications and fill out questionnaires up to a week before their appointments. The system generates a bar code that patients bring to their appointments.

Where and When: The e-Check-in feature went live in June 2015 for patients who use MyChart.

Results: About 400 patients per day use the system, which improves accuracy and saves time for office staff and patients.



Title: MyChart OpenNotes

Presenters: **Howard Levy**, internist and Epic physician builder **Evangeline Schindler**, Epic application coordinator

Technology: OpenNotes gives patients access to the clinical notes written by their providers. Patients can find the notes through a hyperlink in MyChart.

When and Where: Voluntary pilot began at The Johns Hopkins Hospital in July 2015.

Results: Through March 15, 2016, 8,342 patients received notes from 77 providers, and 941 patients opened them. At least one patient caught an error in the notes, which was subsequently corrected. Doctors believe the system improves communication with patients and helps build a more comprehensive patient record.

Grants Give Collaborations a Running Start

(continued from page 1)

Medical Center. Study participant Kasidet Hiranniramol, a school of medicine research assistant, sweats as he walks on a treadmill, breathing into a tube that measures his oxygen intake. Heart monitors are on his chest, a blood pressure cuff on his arm. Blood analysis and cognition tests will follow.

Hiranniramol will be given one minute to list as many words as he can that start with a given letter. He will watch shapes and colors flash on a computer screen and try to identify what changes from one appearance to the next. He will tell blue from green, even when the word green is printed in blue, and the word blue is printed in green.

The Johns Hopkins University's Office of the Provost is giving \$5 million a year to collaborations like this one and to early-career faculty members in support of innovative research directions through the Catalyst Awards.

School of medicine researchers can also apply for Discovery Fund Synergy and Innovation Awards, established in 2014 by the Johns Hopkins Medicine Research Council. Synergy grants of up to \$100,000 support research with at least one investigator in the school of medicine. Single-investigator projects can win Innovation Award support of up to \$50,000.

"We wanted to incentivize creative, innovative, at-the-edge discovery," says Antony Rosen, vice dean for research, who helped create the Synergy and Innovation program.

Synergy winners in 2015 include neurologist David Zee, who has studied and treated inner ear and balance disorders for decades. He teamed with school of medicine colleagues, including com-

"EVEN IF THEY DON'T GET THE AWARD, THEY STILL MET AND **DISCUSSED THE PLANS** TOGETHER."

-DENIS WIRTZ

puter scientist Dale Roberts, biomedical engineer Jorge Otero-Millan, and otolaryngologists Michael Schubert and Bryan Ward; and with Daniel Reich and Collin Broholm, two physicists from the Krieger School of Arts and Sciences who are experts in magnetic fields.

Together, they are designing highpowered magnets that painlessly stimulate the motion detectors of the inner ear, mimicking the mechanism that causes vertigo. The group is now seeking funding to build the magnets, which should help researchers better understand and eventually treat the debilitating condi-

Zee says he values collaboration because investigators from other disciplines "see things from their own vantage points, bringing new insights and approaches to the illnesses of our patients."

Searson, too, was eager to tap new perspectives. When he contacted Egeth and Stewart, "he wasn't specific at all," says Egeth, an expert in memory and attention. "He just said, 'Let's study the effects of exercise on cognition."

Their study combines their areas of expertise. Searson is analyzing participants' blood for proteins released during exercise. Stewart designed strength and cardio tests. And Egeth created a series of cognitive challenges sensitive enough to measure exercise-induced changes.

They decided to recruit up to 75 participants, measure their fitness, and divide them into groups for moderate, intense and no exercise. Research assistants would draw blood and administer cognition tests one hour, two hours and 24 hours later.

In July 2015, the exercise and cognition study became one of 24—out of 217 applicants—to win the first batch of Discovery Awards. The researchers are using the \$100,000 to hire research assistants, work out details of the study and pay volunteers \$75 for each of three visits.

"We probably could not have gotten a grant from an outside source because we had no track record on this research," says Egeth. "The Discovery Award is seed

Although the grant program is still



More Than One Way to Fund a Study

- 1. Johns Hopkins Discovery Award: Grants of up to \$100,000 and up to \$150,000 for studies led by investigators from at least two of the university's schools or affiliates (bit.ly/JHDiscovery)
- Johns Hopkins Catalyst Award: Grants of up to \$75,000 for investigators with three to 10 years of faculty experience (bit.ly/JHCatalyst)
- School of Medicine Discovery Fund Synergy Awards: Grants of up to \$100,000 for collaborative research with at least one investigator in the
- School of Medicine Discovery Fund Innovation Awards: Grants of up to \$50,000 for innovative projects led by a single school of medicine

new, Wirtz says it seems to be working. "Putting a little bit of money on the table encourages interactions between disciplines," he says. "A lot of faculty members have told us the awards pushed them to meet and to put together exciting, more complex projects. Even if they don't get the award, they still met and discussed the plans together."

Also winning \$100,000 in 2015 were

pathologist Timothy Amukele and Applied Physics Laboratory engineer Robert Chalmers. Together, they are creating a system of drones to deliver blood and other biological materials for testing and transfusions. Four sites—two in Africa and two in the United States—are nearly ready for testing, and the work has generated funding and interest from several foundations, Amukele says.

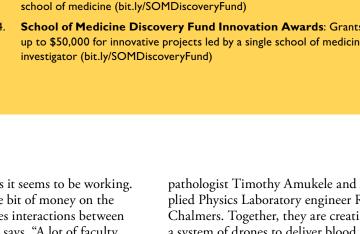
In July 2016, a second round of Discovery Awards grants gave \$100,000 to 20 projects and \$150,000 to four. Recipients included hematologist Linzhao Cheng of the school of medicine and malaria expert David Sullivan of the Bloomberg School of Public Health. They are using their \$100,000 for research that could lead to human red blood cells that are genetically engineered to be resistant to malaria.

Before the grant, the two would talk from time to time. "The funding lets us accelerate the interaction," says Sullivan.

Back in the Clinical Research Unit, Stewart is explaining to his fellow investigators how he uses exercise tests, strength exercises and body scans to measure the physical fitness of participants. Now that the study is underway, the three agree to meet once a month for updates.

Searson grins. "I want to start seeing the results," he says. "That's the exciting part."

—Karen Nitkin



Catalyst Awards Give Early Research a Boost

Cardiologist Chiadi Ndumele recently led a study showing that people who are obese are more likely to suffer from heart failure. But hearts are funny things.

That same obesity also seems to keep people with heart failure alive. Ndumele, who joined the school of medicine faculty in 2011, is using a Catalyst Award grant to try to understand why thin people with heart failure are more likely to die than overweight people with the same condition.

The Catalyst Awards program, launched by The Johns Hopkins University in 2015, gives grants of up to \$75,000 for research led by investigators who have been full-time faculty members between three and 10 years. The goal is to support exploratory research during a critical time in their career, paving the way for future grant-funded studies.

The first round of awards went to 37 early-stage Johns Hopkins researchers. In 2016, 34 faculty members from across the institution, including Ndumele, received Catalyst Award funding.

Ndumele's study will examine echocardiograms and 1,193 metabolic biomarkers for morbidly obese patients before they undergo bariatric surgery and after the surgery prompts weight loss. The goal is to better understand the mechanisms that connect obesity and heart failure—eventually leading to improved prevention and treatment.

"This kind of institutional support to help us in our journey toward understanding is huge," Ndumele says. "When I'm ready to apply for an independent investigator grant, I can say I received this award and performed this work."



Learn more at hopkins medicine. org/dome.

In Sickness and in Health

With 147 years of combined service, four Suburban Hospital nurses share friendships forged in good times and bad.

ATCH DIANE
Harris and
Ruthie
ReutlingerDudley
in a rare down moment,

and you'll likely find the Suburban Hospital nurses ooh-ing and ahh-ing over photos of their grandchildren.

The two, along with Karen Sgueo and Ruthie Sokolove, have forged deep bonds while working together in the preoperative care unit, where they make sure each patient is ready for the operating room.

In a hospital with about 1,800 employees, including some 600 nurses, friendships flourish in every unit. But these nurses are unusual because they've known each other for decades. Together, they share 147 years of Suburban Hospital nursing experience, seven grandchildren, at least 15 holiday parties and hours of conversations.

"We've been through deaths, births, weddings—all the major life events," says Reutlinger-Dudley, whose mother, Juanita Reutlinger, was also a Suburban Hospital

Sgueo, 66, is Suburban's longestserving nurse; she donned a jaunty cap and starched white miniskirt for her first day of work in 1970. Reutlinger-Dudley, 62, boasts 41 years on the job. Sokolove, 65, clocks in at 35. Harris, 61, joined the staff 25 years ago.

The four laugh easily, tease freely, kiss cheeks and pat shoulders. Their conversation gets even more animated as they describe

an annual holiday party for the 10 nurses and three technicians in their unit. Reutlinger-Dudley, known as Ruthie D., mixes her famous cosmos. Sokolove's husband cooks the brisket, even though he, like other spouses, is not invited.

The friendships are solid things, built over time. Hard work, shared jokes and fond memories are the bricks. The mortar forms when these "WE'VE BEEN
THROUGH
DEATHS, BIRTHS,
WEDDINGS—ALL
THE MAJOR LIFE
EVENTS."

-RUTHIE REUTLINGER-DUDLEY

women lean on each other, like when a parent dies or a relative needs surgery.

The worst was when Harris' son died. Some people stayed away, unsure what to say or do. Not Sgueo, who had lost her son to a heart condition when he was 6. "That same day, Karen showed up at my front door with a basket of fresh muffins," says Harris, her eyes blurring. The two grab each other's hands as they remember.

"We've built a community," says Sokolove, unit manager and the only full-timer of the four. "We know we can count on each other through thick and thin."

—Karen Nitkin





IN BRIEF



It's Flu Shot Time

Johns Hopkins Medicine faculty, staff, medical students, postdocs and residents who provide direct patient care or who work in a patient area are required to get an annual flu vaccination. Starting Oct. 3, most Johns Hopkins Medicine employees will be able to get a free flu shot at one of the health system's on-site vaccination clinics, as well as at participating Walgreens. Johns Hopkins physicians and providers will not offer FluMist, nor accept it in lieu of a shot, because an advisory from the Centers for Disease Control and Prevention

states that nasal spray vaccines have not been effective during the past two seasons. For all member organizations except Johns Hopkins All Children's Hospital, the deadline to comply with the mandatory vaccination policy is Dec. 6; the deadline to request a medical or religious exemption from the policy is Nov. 1. The compliance deadline for Johns Hopkins All Children's is Nov. 16, and the exemption deadline is Oct. 14. For more information and for a list of dates, times and locations for flu shots, visit bit.ly/jhmflushots

PATIENT- AND FAMILY-CENTERED CARE



Practice makes perfect for, from left to right, simulation specialist Adam Dodson and pediatric anesthesiologists Hal Shaffner and Rahul Koka.

CPR in the OR

Employing a "rapid-cycle deliberate practice" simulation model, Johns Hopkins pediatric anesthesiologists shave critical seconds off the time from cardiac arrest to cardiopulmonary resuscitation.

EDIATRIC ANESTHESIOLOGIST Rahul Koka recalls the cardiac arrest and resuscitation of a good friend in the operating room at a community hospital. What impressed him was the speed at which anesthesiologists began chest compressions and defibrillation, so much so that the experience spurred him to develop ways to improve resuscitation in the pediatric OR, including a new quality improvement initiative at the Johns Hopkins Children's Center.

"This project is personal for me," says Koka. "Despite some tremendous odds working against my friend, he was successfully resuscitated due to a very good protocol for cardiopulmonary resuscitation."

Johns Hopkins has very good arrest protocols for both adults and children, Koka says, but for an intervention where seconds can make the difference between life and death, there's always room for improvement. It's well-documented in the literature, Koka explains, that for every minute without chest compression or defibrillation after cardiac arrest, there is

"THE ARGUMENT I **WOULD MAKE IS** THAT'S NOT HOW **VIOLINISTS OR PIANISTS** PRACTICE—THEY DO IT OVER AND OVER AND **OVER AGAIN," SAYS** KOKA. "THAT'S HOW WE'RE AIMING TO PRACTICE."

-RAHUL KOKA PEDIATRIC ANESTHESIOLOGIST

a 10 percent drop in survival. "You need good chest compressions quickly."

In that regard, Koka's "rapid-cycle deliberate practice" simulation stresses repetition, repetition and more repetition. Under Pediatric Advanced Life Support, or PALS, protocols, Koka notes, current CPR practice recommends didactics and

simulation every two years. In his mind, that's not often nor repetitive enough.

"The argument I would make is that's not how violinists or pianists practice they do it over and over and over again," says Koka. "That's how we're aiming to practice."

Importing in part the CPR protocol pioneered in the Johns Hopkins pediatric intensive care unit, Koka increased the frequency, length and depth of the simulations, adding pre-training simulations and debriefing surveys to assess the team's confidence and performance in conducting the code. Simulation training sessions that took 30 minutes in the past now last

"We'd simulate an arrest, do compressions, then talk about what we did, and that was it," says Koka. "But for this quality improvement protocol, that's just the beginning, the first third of a simulation training. We go in, do the simulation, debrief, and then we do it again and again until we get it right."

Getting it right means nuancing the protocol to chip seconds off of the time to chest compression and defibrillation. The

simulations are also highly individualized to the anesthesiologist leading the code, who may believe, for example, that resuscitation can go quicker with the code cart on his right side rather than his left.

The results? Koka's goal was chest compression within 10 seconds—and defibrillation within 30 seconds—of arrest. Anesthesiologists participating in the initiative were able to reduce the average time to compressions from 150 seconds to 2 seconds and the average time to defibrillation from 232 seconds

An added value of the QI initiative is its potential for influencing CPR simulations at other children's hospitals. Greater frequency and intensity of simulations, says Koka, will help fight the learning decay that typically occurs six to eight months after a training simulation.

"Ideally, you want to be repeating this about every six months using different techniques and expanding it beyond attending physicians," says Koka. "I would like to include nurse anesthetists as well."

—Gary Logan

IN BRIEF

Support the 2016 Johns Hopkins Medicine United Way Campaign: Oct. 13-Dec. 16

This year's annual United Way campaign, beginning Thursday, Oct. 13, is focused on improving life for families and their communities. By participating in the annual campaign, you can help ensure that children succeed in school, and that families have access to healthy meals, resources for employment and a place to call home. Visit hopkinsmedicine.org/unitedway to



make your contribution and to learn more about United Way programs. You can choose where your dollars go, such as the gen-

eral United Way fund or a specific initiative supporting your community or county, like the Johns Hopkins Neighborhood Fund. You can also direct your donation to a 501(c)(3) charity of your choice.

Special Town Meeting on Community Engagement

Johns Hopkins Medicine's commitment to the communities it serves was built into the founding of The Johns Hopkins Hospital and has continued through countless programs and initiatives in the decades since. Mark your calendars to join Paul Rothman, dean of the medical faculty and CEO of Johns Hopkins Medicine, on Thursday, Oct. 20, from 12:30 to 1:30 p.m. in Hurd Hall for a special Town



Meeting on community engagement. Live-streamed to all member organizations, the event will feature updates on Johns Hopkins Medicine's current and planned community programs, and an expanded Q&A session to allow faculty members, staff members and students to provide feedback and ask questions about the institution's community engagement efforts.

Howard County General Hospital Helps Heal Ellicott City

Hiring displaced workers is one way the hospital supports the flood-devastated community.

LEX GARZA WAS PAN-ROASTING HALIBUT AND plating shrimp when the rain began. Nearly 6 inches fell in two hours, creating a furious brown river that took two lives and destroyed Ellicott City's historic downtown. When cars began floating past Tersiguel's French Country Restaurant, Garza and the other cooks stopped working to make sure the gas was off and customers were safe.

The July 30 flood shuttered Tersiguel's and about 90 other businesses, putting more than 450 people out of work. When the water receded, Garza walked home carrying his 9-inch culinary-grade knife and wondering where he would work next.

Less than a month later, Garza, 29, started a full-time job as a line cook for Howard County General Hospital. "Being able to serve others goes a long way in the healing process," he says. Recruitment specialist Ana Liesch says she hopes to hire other locals who lost jobs due to the storm, billed as a once-in-athousand-year event.

"We are providing support any way we can," says hospital President Steven Snelgrove. "It may mean jobs; it may mean asking for volunteers to serve those who are doing the physical labor. It may mean moral support."

In mid-August, as heat and humidity soared to dangerous heights, the hospital set up first-aid tents along Main Street. Nurses treated people for high blood pressure, exhaustion and dehydration during two days of emotional cleanup. On Oct. 1, a group of hospital volunteers was scheduled to clear debris from a litter-filled portion of the Patapsco River.

Nonprofits, individuals and governments have all stepped forward to begin the process of restoring downtown Ellicott City. The hospital, meanwhile, has been fulfilling its role as healer. It also gave \$10,000 from its community funding program to the Ellicott City Partnership, which is directing 100 percent of donations toward rebuilding efforts.

—Karen Nitkin



Alex Garza, left, is cooking again, thanks to Howard County General Hospital recruitment specialist Ana Liesch.

IN BRIEF



A Move for the Better

Three Johns Hopkins Community Physicians practices previously located in Wyman Park have moved to a more patient-centered and spacious facility just a few blocks away. Now located at 2700 Remington Ave., in Baltimore, the primary care practices occupy a new 30,000-square-foot area on the second floor. Internal medicine, pediatrics, and gynecology and obstetrics are unified in one space, along with lab services, encouraging a team approach to delivering health care. Another design innovation, created to improve the patient experience, calls for ushering patients to examining rooms as soon as they are checked in for their appointments rather than requiring them to sit in a traditional waiting room area. The Remington Row development project also features first-floor retail space and 108 apartments.



Voyage to Better Health

A Woman's Journey, Johns Hopkins Medicine's annual conference on women's health topics, will take place on **Saturday, Nov. 5, from 8:15 a.m. to 4:30 p.m.** at the Hilton Baltimore, 401 W. Pratt St. Now in its 22nd year, the event brings together Johns Hopkins Medicine's top experts to discuss advances in medicine. Participants can attend seminars on a variety of subjects, including the benefits of vitamins and other food supplements, chronic pain, sleep disorders and hot topics in aging research. Speakers include Redonda Miller, the first female president of The Johns Hopkins Hospital, and plastic surgeon Kofi Boahene. The conference, which includes lunch, costs \$130 per person. Discounts for employees and full-time students are available. To learn more and to register, call 410-955-8660 or visit hopkinsmedicine.org/ awomansjourney.

Stylish Shopping Benefits Patient Care

High-fashion altruism continues: For the 49th straight year, The Women's Board of The Johns Hopkins Hospital will host its fall Best Dressed Sale and Boutique. The free event takes place from Friday, Nov. 4, through Sunday, Nov. 6, at the Evergreen Carriage House, 4545 N. Charles



St. Hours are: Nov. 4, from 9 a.m. to 6 p.m.; Nov. 5, from 9 a.m. to 4 p.m.; and Nov. 6, from 11 a.m. to 3 p.m. A special preview party will take place on Nov. 3 from 4 to 8 p.m. It costs \$55 in advance and \$65 at

the door. Racks and shelves will be packed with new and gently used men's and women's designer, dressy, casual and vintage clothes and accessories. Over the years, the sale has raised millions of dollars to support patient care at The Johns Hopkins Hospital. This year, proceeds will help fund medical equipment and scholarships to the schools of medicine and nursing, among other projects. Learn more at womensboard.jhmi.edu or call 410-955-9341.

Lasker Award



Gregg Semenza, M.D., Ph.D., whose discoveries on how cells respond to low oxygen levels could result in treatments for illnesses ranging

from cancer to diabetes, is among three researchers to receive the 2016 Albert Lasker Basic Medical Research Award. The Lasker Foundation recognized Semenza, along with co-winners William Kaelin Jr., M.D., of Dana-Farber Cancer Institute and Peter Ratcliffe of Oxford University, for the "discovery of essential pathways by which human and animal cells sense and adapt to the presence of oxygen. Semenza is best known for his groundbreaking discovery of hypoxia-inducible factor 1, or HIF-1, the protein that switches genes on and off in cells in response to low oxygen levels. He is a member of the Institute for Cell Engineering, the McKusick-Nathans Institute of Genetic Medicine and the Johns Hopkins Kimmel Cancer Center.

New Senior Director for the Johns Hopkins Health System



Angelo Mojica, **Ph.D.**, has been named the senior director of food and culinary services for the Johns Hopkins Health System. Moji-

ca will provide leadership to all food services departments and be responsible for integration of the food service operations among each of the six affiliate hospitals. He will oversee the health system's food service supply chain initiative and work collaboratively across the system to improve patient satisfaction and employee engagement for food services operations. Prior to joining Johns Hopkins, Mojica was responsible for all food service and clinical nutrition operations at the University of North Carolina at Chapel Hill.

Damon Runyon Awards

Daniel Goldman, Ph.D.; Michael Koldobskiy, M.D., Ph.D.; and Cara Rabik, M.D., Ph.D., all oncology fellows, each received a four-year, \$248,000 award to support their basic science research. One award is a Damon Runyon Cancer Research Foundation Fellowship. The two others are Damon Runyon-Sohn Pediatric Fellowship Awards. Goldman, who studies the process of protein synthesis, often misregulated in cancer, received the Runyon research foundation fellowship. Koldobskiy, who studies the way cancer cells rely on epigenetic modifications, the chemical marks that modify a gene's expression without changing its genetic sequence, and Rabik, who examines how mutations in the WT1gene result in acute myeloid leukemia, each received a Runyon-Sohn fellowship. Runyon was a famed newspaperman and author who died of cancer in 1946. The Sohn Conference Foundation was founded in 1995 and is dedicated to the treatment of pediatric cancer and other childhood diseases. It honors the memory of Ira Sohn, an investment trader on Wall Street, who died of cancer at 29.

Blue Distinction Center Honors

CareFirst BlueCross BlueShield has designated Johns Hopkins Bayview Medical Center as a

Open Enrollment Reminder



The open enrollment period for selecting health insurance and benefits runs from Oct. 17 through Oct. 31 for employees of The Johns Hopkins Hospital and Health System Corporation, Johns Hopkins Bayview Medical Center, Johns **Hopkins Community** Physicians, Johns Hopkins HealthCare, Johns **Hopkins Home Care** Group, Sibley Memorial Hospital and Howard County General Hospital. Open enrollment for other Johns Hopkins Medicine organizations: Johns Hopkins All Children's Hospital, Oct. 12 through Oct. 26; Suburban Hospital, Oct. 31 through Nov. 18; and school of medicine, Oct. 21 through Nov. 8. Staff members will receive a newsletter announcing the rates and any changes to benefits.

Blue Distinction Center for Knee and Hip Replacement. Earlier this year, Howard County General Hospital was designated a Blue Distinction Center for Maternity Care, a new honorific under the Blue Distinction Specialty Care Program, which recognizes health care facilities nationwide for demonstrating expertise in delivering quality care safely, effectively and cost-efficiently.

Quality Innovation Awards

Howard County General Hospital and Johns Hopkins Bayview Medical Center have received the Virginia Health Quality Center Quality Innovation Award for improving patient care and reducing hospital-acquired infections in 2015. Granted to the top 10 percent of hospitals in Maryland and Virginia, the award is based on patient safety and service scores. The evaluations used data from the Targeted Assessment for Prevention, developed by the Centers for Disease Control and Prevention, and the Hospital Consumer Assessment of Healthcare Providers and Systems.

Comprehensive **Stroke Center**

Johns Hopkins Bayview Medical Center has been issued a full designation as a Comprehensive **Stroke Center** by the Maryland Institute for Emergency Medical Services Systems (MIEMSS). This five-year designation comes after the Medical Center's successful completion of a MIEMSS Comprehensive Stroke Center site survey.

Filipina Women's **Network Award**



Eloiza Domingo-Snyder, director of diversity, inclusion and cultural competency for Johns Hopkins Medicine and the Johns Hopkins

Health System, was named one of the 100 Most Influential Filipina

PICTURE THIS



ILLUMINATING A NEW CHAPTER Alphie Rahman, a clinical nurse specialist at Johns Hopkins Bayview Medical Center, lights a ceremonial lamp to signal an auspicious beginning for the Indian American Nurses Association of Maryland, a group she founded and for which she serves as president. Dedicated to supporting professional development and networking for nurses and nursing students of Indian origin and heritage,

the group has more than 50 members,

including nurses from The Johns Hopkins Hospital, Howard County General Hospital and Johns Hopkins Bayview. It is a chapter of the National Association of Indian Nurses of America. "Our hope is to have a professional body where we mentor each other and develop leadership qualities," Rahman says. The group also performs community service projects in Baltimore. Learn more and see more photos at hopkinsmedicine.org/dome.

Women by the Filipina Women's Network (FWN). The honor, in the FWN's Builder Award category, recognizes Domingo-Snyder's exceptional impact at a large workplace.

EAST BALTIMORE

Steven Cohen, M.D., director of medical education for the pain management division at the Johns Hopkins University School of Medicine, recently received the distinguished service award from the Military Health System Research Symposium. Cohen, a retired U.S. Army colonel, received the award in the research category of pain management. The honor recognizes individuals who have contributed significantly to the advancement of military health system research.



Richard Huganir, **Ph.D.**, professor and director of the Department of Neuroscience, has been elected president of

the Society for Neuroscience, the world's largest organization of scientists and physicians devoted to understanding the brain and nervous system. Huganir is also director of the Kavli Neuroscience Discovery Institute and co-director of the Brain Science Institute.



Lillie Shockney, R.N., M.A.S., professor and administrative director of the Johns Hopkins Breast Center, recently received The

Folio: Top Women in Media Award. It recognizes her role as editor-in-chief of the Journal of Oncology Navigation and Survivorship, as well as her work for other journals, her books and her online writing.

JOHNS HOPKINS BAYVIEW MEDICAL CENTER



Shannon Hatzigeorgalis, R.N., a labor and delivery nurse, has received Johns Hopkins Bayview's 2016 Nurse of the Year Award. Hatzigeorgalis joined the Johns Hopkins Bayview staff 18 years ago as a certified medical assistant and became a nurse nine years ago.



Laura Jaweed, **D.P.T.**, has been named manager of the Joint Replacement Program. In her new role, she will work closely with the

joint replacement surgeons, administrators and the director of nursing. Jaweed previously served as the director of physical therapy and occupational therapy at Boston Children's Hospital.

SUBURBAN HOSPITAL



Greta Cuccia, R.N., B.S.N., C.E.N., clinical director of the Emergency Department, has received the first DAISY Nurse Leader

Award for creating a compassionate environment in which skillful care thrives. The award, presented by Suburban Hospital's nursing council on professional develop-ment, was created by the DAISY (diseases attacking the immune system) Foundation, established in 1999 by the family of a terminally ill patient whose nursing care touched them greatly.

Marketing and Communications

Johns Hopkins Medicine and the Johns Hopkins Health System have received a total of 27 Digital Health Awards—ranging from Gold to Silver, Bronze and Merit—from the Health Information Resources Center. The recognitions honored online publications, articles, videos and other informational materials. The center is a national clearinghouse for professionals who work in consumer health fields.

Published 10 times a year for members of the Johns Hopkins Medicine family by Marketing and Communications.

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Johns Hopkins Home Care Group
Johns Hopkins Community Physicians
Sibley Memorial Hospital
Suburban Hospital
Johns Hopkins All Children's Hospital

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