



New Drug Could Treat Parkinson's

More than 6 million people suffer from Parkinson's disease worldwide, and that number is predicted to double by the year 2030. Current treatment with L-dopa drugs leaves much to be desired. Most patients — as many as 80 percent — who take L-dopa drugs develop dyskinesia, a painful involuntary movement disorder, within five years.

Now a new drug for Parkinson's disease is on the horizon. Sandhya Kortagere, PhD, associate professor of microbiology and immunology at the College of Medicine, has designed a drug that offers a promising alternative without the dyskinesia, "a side effect as dangerous as the original symptoms themselves," according to Kortagere.

Known as PCT-3010, the compound developed by Kortagere modulates both dopamine and norepinephrine in the brain to reduce motor and other symptoms.

Kortagere began studying dopamine receptors while pursuing her doctorate. During her postdoc years, she deepened her study of a class of receptors called the D2-like, which includes D2, D3 and D4 receptors. The D3 receptors were widely acknowledged to be difficult to understand, but Kortagere believed they might hold the key to a breakthrough and persisted in her studies, using computational models and in vitro and in vivo techniques

— a unique aspect of her work. Her research demonstrated that dopamine agonists used to treat Parkinson's induce tolerance in D3 receptors. "This we thought was a main issue with a lot of the dopamine drugs," she explains. "They lose efficacy over time due to the tolerance and also cause side effects such as dyskinesia, whose molecular mechanisms are still not well understood."

Through computational models and in vitro experiments, Kortagere was able to show that D3 receptors behaved differently than D2 receptors, which are otherwise very similar. In addition, other researchers have shown that the levels of D3 receptors are altered in Parkinson's patients and those with dyskinesias. "In the presence of dopamine agonists, you could actually see a very different conformation or change in the D3 receptors," she observes. "This formed the basis for the whole project."

Kortagere tested this hypothesis using a small molecule. "My lab has developed a platform technology called the hybrid structure-based method, where we use biophysical, experimental inputs, and we designed the small molecule using this hybrid technology. We only wanted to affect the D3 receptor and alter its signaling since that was the end point we wanted to measure."

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FALL 2015
Vol. 4, No. 1



Two second-year students see a need and start a program.



Members of the Class of 2017 don their first white coats.



The competition was fierce in the second annual Dean's Cup.

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pulse

Pulse, a publication for students, faculty, staff and alumni of Drexel University College of Medicine, is published five times a year by the Marketing & Communications Department
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Dean's Message

We began the semester by welcoming an entering class of 262 medical students and 330 graduate students to our campuses. The interest in our school remains strong, and the number of students who choose us over other institutions has grown steadily. Once again, our MD program received the most applications of any U.S. medical school, more than 15,000.

Dr. Linda Berardi-Demo was recently appointed as our associate dean for admissions and enrollment. She brings a new perspective to the admissions process and has already implemented several changes to enhance the applicant experience as well as the screening procedures. Dr. Christina Cestone is our new associate dean for assessment

and evaluation; in her role, she will garner data on our student profile and develop predictors of student success. We have had generations of great students who have done very well; these changes will help us better support our students in their educational journey.

October brought rich and varied times. Discovery 2015, the College of Medicine's annual research day, was transformed into a whole-school occasion, combining medical student research into the traditional graduate student event. Later in the month, at the New Faculty Reception, the department chairs intro-



Daniel V. Schidlow, MD

duced the basic science and clinical faculty members who had joined us over the year.*

We also celebrated the humanities. Martin Goldsmith, the host of Symphony Hall at SiriusXM radio and a prolific writer, especially on the themes of music and the human spirit, came to Drexel as the Annenberg Dean Medical Humanities Visiting Scholar. He was welcomed as the guest of honor at a short recital given by members of DUCoM Classical, the College of Medicine's student and faculty music group, and at a subsequent dinner. The following day, he gave an inspiring talk: "A Holy Song of Thanks: The Effect of the Humanities on the Human Spirit." We hope that in the future more people will partake in the Visiting Scholar activities, a program that reflects the importance our school places on the humanities and our connection with the world at large.

In that vein, I am enormously proud of three recent honors bestowed upon our faculty or College. Dr. Ana Núñez received the Association of American Medical Colleges' Herbert W. Nickens Award, given to an individual who has made outstanding contributions to promoting justice in medical education and health care equity in the United States.

The College received the 2015 Edward D. Harris Professionalism Award from Alpha Omega Alpha National Honor Medical Society. This award recognizes outstanding faculty and programs with the best practices in medical professionalism education.

Last but not least, the Arnold P. Gold Foundation has established a chapter of the Gold Humanism Honor Society at Drexel University College of Medicine.

Innovation, renewal, connection — all of this is so characteristic of who we are. We are a school that never stands still.

Daniel V. Schidlow, MD
Walter H. and Leonore Annenberg Dean
Senior Vice President of Medical Affairs

*Editor's note: Discovery and New Faculty photos in next issue.

Drexel Black Doctors Network

Two second-year medical students at the College of Medicine, Dexter Graves and Bisola Egbe, noticed a lack of opportunity for students to interact with African-American physicians in the Philadelphia area. Recognizing that shadowing and research opportunities can be very difficult for underrepresented minority students to obtain, they proposed a new program specifically designed to connect the African-American students at Drexel with local African-American physicians. Their ultimate goal is to pair each student with a physician to provide mentoring and support through the medical school process.

Graves and Egbe come to this endeavor from different experiences. Graves, a Louisiana native, has had the benefit of two mentors who are African-American physicians. Egbe, from Nigeria, has not had a mentor. They planned this program in hopes of improving the success rates of African-American students and contributing to greater diversity in medicine.

The Drexel Black Doctors Network program was initially proposed last winter, and it was officially recognized by the College of Medicine in August, at the start of the new school year. We are currently in the process of recruiting physicians willing to aid in this effort. Dr. Theodore Corbin, our faculty adviser and sponsor, has handled the initial recruitment. We are also currently reaching out to a number of doctors with whom we have come into contact, and we are actively publicizing the program to students. Our aim is to have the program up and running by January 2016.

In our class, there are 17 black students — about 6 percent. It is interesting to note that 100 percent of those students entered through a nontraditional acceptance pathway; most participated in the Drexel Pathway to Medical School program. According to the Association of American Medical Colleges, only 4 percent of practicing physicians are African American, despite the fact that African Americans make up 12 percent of the U.S. population. It can sometimes be discouraging when you feel as though there is an underrepresentation of medical professionals who share similar cultural and ethnic backgrounds with you. By partnering with a mentor who is similar in both ethnicity and cultural background, you can learn many beneficial skills to better equip you to be successful on the medical path. Shadowing an African-American physician also helps us learn to treat a

more diverse group of patients. It is our hope that this program will provide the motivation and the confidence needed to not only succeed, but to excel.

We have both had our own unique journeys getting to this point in our medical career path. We each took some time off after undergraduate school to increase our chances of getting into medical school — both of us working in research, one of us earning a master's degree. It has definitely been a struggle. While neither of us would completely place blame on race, we do recognize that there are often more obstacles to overcome to get to this position as an underrepresented minority.

Many black students have chosen to attend medical school at the historically black medical colleges where there are enough African-American doctors to serve as mentors. In a way, we are trying to give African-American students at Drexel an advantage that they would have if they attended a historically black medical school. Our overall vision for the Drexel Black Doctors Network is to build relationships between African-American students and physicians that will last far beyond their four years at the College of Medicine.

— Bisola Egbe and Dexter Graves



Dexter Graves and Bisola Egbe founded the Drexel Black Doctors Network program.

Parkinson's Drug

• continued from the cover

Kortagere also wanted to measure her drug compound's ability to take away the tolerance induced by other agonists such as dopamine. "Our compound did block those effects," she relates.

"When we started doing more molecular studies, we discovered that the compound has very atypical properties of signaling," she continues. "It modifies the kinetics of the D3 receptors in addition to altering the signaling properties. This was the kind of molecule we were looking for."

The next level of studies showed that Kortagere's drug compound improves the motor deficits associated with Parkinsonian symptoms, and reduces L-dopa-induced dyskinesia. "When I saw that, I said, 'It's going to be a new therapy.' If you look at videos of dyskinetic patients, it's gut wrenching. So I decided I should take this further. If we can make a difference in even one of those patients' lives, it would be worth all the effort. That is my goal."

To obtain funding to take research beyond academia is challenging, Kortagere acknowledges. But, undeterred, she went to Drexel's Office of Technology Commercialization and applied for a \$100,000 grant from the Drexel Ventures Innovation Fund. The grant enabled her to study the pharmacokinetic properties of her compound and to evaluate if her compound was drug-like and whether it could be developed as a drug. The results were positive.

Next, Kortagere applied for and received a \$100,000 award from the Coulter-Drexel Translational Research Partnership program, which she used to further validate the drug. "We were very happy with initial proof of concept studies," she says.

Kortagere also studied the compound's ability to lessen the cognitive deficits that Parkinson's patients often experience. "These deficits are very mild when the disease starts, and they progress as the disease progresses," she explains. "There is some evidence that cognitive deficits start at least 10 years earlier than the motor deficits." Her experiments have shown that her compound reduces those cognitive deficits.

Kortagere went back to the Coulter program for a second year of funding, requesting \$150,000. The oversight committee was so impressed with her accomplishments that they gave her a \$232,000 grant, large enough to support longer toxicology and safety studies required by the U.S. Food and Drug Administration.

"We are developing drugs that are probably going to make a change in the treatment of Parkinson's," says Kortagere. "We are now raising funds that can match the Coulter grants to continue our work."

Kortagere estimates that clinical trials will begin in about two years. "If everything progresses the way we have planned, we hope to go to the FDA for an investigational new drug submission at the end of 2017 and receive approval by early 2018. Then we expect clinical trials to begin," she says.

In the meantime, Kortagere is looking ahead to commercialization. Working with Heather Rose, JD, PhD, licensing manager with Drexel's Office of Technology Commercialization, she has filed international patent applications and has created a company, PolyCore Therapeutics LLC, to commercialize the drug [see page 7]. Kortagere serves as chief scientific officer of the startup; Jim Harris, a retired Merck executive with extensive experience in Parkinson's drugs and commercialization, is CEO. PolyCore's goal is to raise enough funds to partner with a strategic pharmaceutical company to take the drug further into clinical trials.

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Welcome Class of 2019

On August 7 the College of Medicine welcomed 262 new medical students during the annual White Coat Ceremony, where they donned their “cloaks of compassion.” After being helped into their new coats by faculty or family members, the Class of 2019 recited the Hippocratic Oath together for the first time.



Gold Humanism Honor Society Inaugurates Drexel Chapter

A new chapter of the Gold Humanism Honor Society was established this year at Drexel University College of Medicine by the Arnold P. Gold Foundation. The creation of a chapter here signifies to the medical community that Drexel places high value on the interpersonal skills and attitudes that are essential for the highest level of patient care. This honor reflects the College's commitment to humanistic patient care, with faculty, residents and medical students who serve as role models, mentors and leaders in medicine.

During a ceremony last summer, Drexel inducted the first class of students, residents and faculty members into the Gold Humanism Honor Society. Induction is for life. Society members have a responsibility to model, support and advocate for compassionate, patient-centered care throughout their careers. Members must also adhere to the two basic tenets of the society's code of ethics: "First, students must be trustworthy and act with integrity in all spheres of professional life: academics, patient care, clinical research and professional relationships. Second, students must together safeguard the culture of integrity and trustworthiness by encouraging each other to act ethically and by responding appropriately to violations of the Code of Ethics."

Twenty-four medical students in the Class of 2016 who were nominated by their peers for induction into the society were reviewed for academic eligibility and written essay, and selected by a committee (photo below, names in sidebar).

Chapters may nominate six role-model residents for induction each year. For schools who participate in the Gold Foundation Student Clinician Ceremony, as Drexel does, the residents who receive the Gold Foundation Humanism & Excellence in Teaching Award become the

Honor Society inductees. (See sidebar.)

Faculty members were chosen for induction into the society by a committee of faculty and administration. At the induction ceremony, faculty inductee James C. Reynolds, MD, was cited for his "kind, gentle bedside manner" and for creating "a welcoming and compassionate environment for residents, students and patients."

Faculty inductee David K. Wagner, MD, was recognized for "giving patients his time, giving students his energy, and for his humility." Wagner spoke of a friend, a highly esteemed physician, who said his best instrument was his Tweezerman toenail clippers, which he always carried so he could clip the toenails of elderly patients while listening to them. Paraphrasing Mother Teresa, Wagner said, "We are not here to do great things; we are here to do small things with great love."

S. Benham Kahn, MD, also a faculty inductee, was the ceremony's keynote speaker. He observed that the physician's "interaction with the patient is what keeps the patient going and is the basis for healing." He also emphasized the importance of "how you tell bad news to patients. When bad news is told by a doctor who has a human relationship with the patient, the patient comes away feeling they can do something about their condition."

Following the induction ceremony, the students reviewed the Code of Ethics together and each signed a statement giving their word that they would adhere to the code. Lastly, all took the Hippocratic Oath.

The co-chapter advisers for the Honor Society are Drs. James Reynolds (below, far left) and Steven Rosenzweig (far right), who was inducted as a member at his previous institution.



Faculty inductees (l-r) Drs. Kahn, Wagner and Reynolds



Residents Drs. Anupriya Grover, Julia Polk, Tyler Chan, Daniel Bender and Steven Loscalzo



Arnold P. Gold Foundation Recognition

2015 Humanism & Excellence in Teaching Awardees

The residents who won teaching awards were also inducted into the Gold Humanism Honor Society.

Family Medicine

Anupriya Grover, DO
Abington Memorial Hospital

Internal Medicine

Danielle N. Krol, MD*
Hahnemann University Hospital

Obstetrics & Gynecology

Julia P. Polk, MD
Hahnemann University Hospital

Pediatrics

Steven M. Loscalzo, MD
St. Christopher's Hospital

Psychiatry

Daniel Jeffrey Bender, DO
Friends Hospital

Surgery

Tyler W. Chan, MD
Hahnemann University Hospital

**Already an Honor Society member*

Gold Humanism Honor Society Student Inductees

Roosbeh Akhtari
Sarah Rebecca Barenbaum
Natalie Jo Brzosa
Stéphanie Chéry
Amanda Michelle Chipman
Melanie Dabakis
Luke Alexander Gatta
Annalyn Marie Gibson
Priyanka Gwalani
Dustin Stanley Hanos
Neha N. Jariwala
Jason Yow-Ji Liu
Aliza Machevsky
Anita Mikkilineni
Kaitlin Elizabeth O'Malley
Dhruv Pinakin Patel
Jenna Lisa Robbins
Jennifer Sabo
Ingrid Schmiederer
Christine Elaine Schultheiss
Blake Joseph Schultz
Leah Steckler
Elizabeth Wilson Tindal
Inimfon Udoh

From Discovery to Commercialization

Taking a drug from discovery to patent to commercialization is a lengthy process with many potential pathways. Drexel's Office of Technology Commercialization helps Drexel scientists navigate this complex process.

When should you apply for a patent?

"As a nonprofit academic institution with a mission to further research and help the public grow knowledge, we are obligated to publish research," says Heather Rose, licensing manager in the Office of Technology Commercialization. "However, once a patentable invention has been publically disclosed, such as in a publication, in most countries around the world one is precluded from filing for patent protection on the same invention. In the United States, there is a limited exception that allows an inventor one year after public disclosure to file a patent."

For this reason, Drexel filed a provisional patent on Sandhya Kortagere's work (see cover story) soon after it was disclosed to the Office of Technology Commercialization.

A provisional patent application isn't a true application, says Rose. "It serves as a 'stake in the ground' for one year, protecting your discovery while you decide whether to pursue a patent," she explains. "If you decide to do so, you need to file a conversion application. At that point, it becomes a real patent application."

Another option for filing is a Patent Cooperation Treaty application. The PCT application reserves your right to file in 148 countries around the world that participate in the treaty. This buys filers another 18 months to decide in which countries they want to file. After that, prosecution (review) starts.

"For Dr. Kortagere, we filed a provisional and a PCT application upon receiving the invention disclosure, and then went international in India, Japan, China and Europe because Parkinson's is a global disease," Rose says. "She has been issued patents in the U.S. and Australia and is awaiting prosecution in the other countries."

Commercialization

Scientists generally have two choices for commercialization of their discovery: licensing the intellectual property to an existing company or forming a startup company. The decision is based on how far away from market the product is. If a discovery has a long way to go to get to the market, a startup is usually a necessary step.

"Therapeutics are generally six to 10 years and several million dollars away from market," says Rose.

Drexel's Office of Technology Commercialization helps to match scientists with individuals who can bring business expertise to the startup and assist in fund raising for strategic de-risking. Rose paired Kortagere with Jim Harris, now CEO of PolyCore Therapeutics.

In this case, the scientist has also been diligent about talking to potential pharmaceutical partners. "Although it's too early in the research for a pharmaceutical company to jump in, Dr. Kortagere is laying important groundwork now by asking for feedback and learning what companies are looking for," Rose says. "A lot of people are interested in her project."

Ob/Gyn Faculty Present Cutting-Edge Team Training at FIGO World Congress

Team training for emergencies and simulation are powerful tools for keeping ob/gyn patients safe. Led by Drexel Obstetrics & Gynecology Chair Owen Montgomery, MD, members of the Drexel University Partnership in Interprofessional Education were invited to present their cutting-edge team training and simulation at the International Federation of Gynecology and Obstetrics [FIGO] World Congress in October. Held this year in Vancouver, British Columbia, it is the largest meeting in the world focused on women's health.

The plenary session "Building Teamwork to Increase the Safety and Quality of Women's Health Care" brought together faculty from the College of Medicine and the College of Nursing & Health Professions for a lively

demonstration of techniques. In addition to Montgomery, the core faculty team from Drexel Obstetrics & Gynecology included Michael Podolsky, MD, clinical associate professor; Daniel Guilfoil, MD, assistant professor; and Dana Farabaugh, MD, associate professor. The core faculty team from Nursing & Health Professions included Kymberlee Montgomery, DrNP, CRNP-BC, CNE, chair, Nurse Practitioner program; Kate Morse, PhD; John Cornele, BSN, RN, CEN, EMT-P; and Sandra Friedman, CNM, MSN.

Other participants from Drexel Obstetrics & Gynecology included Gregg Alleyne, MD, assistant professor; Laniece Coleman, DNP, MSN, CNM, MA, assistant professor; Dipak Delvadia, DO, assistant professor; and Megan Duffy, RN, CNM, MSN, instructor; and from the College of Nursing & Health Professions, Mary Gallagher Gordon, PhD, MSN, RN, CNE, and Alis Panzera, DrNP, APN-C, RN.

Approximately 8,000 attended the conference, including the presidents of all ob/gyn associations worldwide. FIGO has member societies in 130 countries or territories.

Afghan Health Providers Visit Drexel Center for Women's Health

A group of 13 female physicians and health practitioners from Afghanistan learned how women providers and women-led practices can contribute to women's health during a visit to the Drexel Center for Women's Health at the end of August. The meeting was arranged at the request of the U.S. Department of State as part of a 21-day program to introduce the visitors to women's health care in the United States. The group was invited under the auspices of the State Department's International Visitor Leadership Program.



Shailaja Nair, MD, chief and clinical director of the Drexel Center for Women's Health, organized a tour and provided an overview of the program and services offered at the center. The visiting group was particularly interested in women's leadership in health care and academic support for women's health.

Our First Emmy Nomination

Last year WHY-TV produced for its Friday Arts feature a program on art students who come to the Gross Anatomy Laboratory at Drexel University College of Medicine to follow the dissection work of the first-year medical students. The artistic depiction of the human anatomy follows the tradition of Leonardo da Vinci in Florence and Thomas Eakins in Philadelphia, who used the deceased as subjects for study of human anatomy.

This collaboration between artist/art instructor Michael Grimaldi and faculty members of the Department of Neurobiology & Anatomy is the only program of its kind in the United States. "The Gross Lab" was a 2015 National Academy of Television Arts and Sciences Mid-Atlantic Emmy nominee in the Health/Environment/Science-Program Feature/Segment category. We were not among the winners, announced in September, but you can view the excellent film in full (9 minutes) at why.org/cms/fridayarts/the-gross-lab.

College Receives Alpha Omega Alpha Professionalism Award

Alpha Omega Alpha Honor Medical Society has selected the College of Medicine's Professionalism Formation Curriculum as the winner of its 2015 Edward D. Harris Professionalism Award. The award honors outstanding faculty and programs with the best practices in medical professionalism education.

Professional formation is the process by which medical students develop psychologically, morally and spiritually into physicians who have the capacity to provide compassionate and excellent care. The College of Medicine's Professionalism Formation Curriculum, which includes four years of required courses and special sessions, guides students through this process.

"A model for other medical schools to follow"

Program leaders Steven Rosenzweig, MD, Dennis Novack, MD, and Pamela Duke, MD, oversee the curriculum's effectiveness and sustainability, two major components reviewed by the award selection committee. Ninety-eight percent of students consistently meet professionalism objectives and competencies. For the remaining 2 percent, the College of Medicine initiated a formalized remediation process.

The professionalism award recognizes the College of Medicine's approach to professional formation as a model for other medical schools to follow. The curriculum's use of virtual classroom technology and its remediation process have been the subject of several national discussions, including a recent article in *Academic Medicine*, "How Do Medical Schools Identify and Remediate Professionalism Lapses in Medical Students? A Study of U.S. and Canadian Medical Schools."

Dr. Moran Appointed to Top Pediatric Posts

Mary M. Moran, MD, has been appointed chair of the Department of Pediatrics of Drexel University College of Medicine and associate dean for the Pediatric Clinical Campus at St. Christopher's Hospital for Children. She has also been named pediatrician-in-chief at St. Christopher's and CEO of St. Christopher's Pediatric Associates. Moran had served as interim chair at the medical school and interim

pediatrician-in-chief at the hospital since January. She is an associate professor of pediatrics and has been a member of the Department of Pediatrics since 1998. Moran's educational posts over the years have included associate director of the Pediatric Residency program at St. Christopher's, director of the Pediatrics Clerkship and assistant dean for clinical education. She also served as associate dean for faculty development before becoming vice dean, Faculty Affairs & Professional Development, in 2010.



Call for AOA Nominations: Attention, Alumni and Faculty Members

The Delta Zeta Chapter of Alpha Omega Alpha is requesting nominations of candidates for AOA election. Following are the categories of candidates who will be considered.

Alumni: After 10 years or more following graduation, alumni who have distinguished themselves in their professional careers and are judged on the basis of achievement to be qualified may be elected to membership. No more than five alumni members per year may be elected.

Faculty: A chapter may elect to membership up to five faculty members each year from the faculty of the College of Medicine who have distinguished themselves in their professional careers and are judged on the basis of achievement to be qualified. Such faculty members must hold an earned doctoral degree.

Residents and fellows: The chapter may elect to membership up to six graduate trainees after their first year of training, based on continued achievement and promise.

Nominations must be submitted online at surveymonkey.com/r/6QJ7BRL. Include a brief description of the nominee's achievements and email a copy of the nominee's curriculum vitae to Janice Edwards at janice.edwards2@drexelmed.edu. *Self-nominations are not accepted.*

Deadline: December 31, 2015.

Late or incomplete nominations, including those missing a CV, will not be considered. Following the deadline, a caucus of AOA members, including student inductees, will review all nominations and present a slate of nominees to the committee for election.

Membership Update

If you are an AOA member and would like to join the Delta Zeta Chapter of AOA or if you are a current member and your email or mailing address has changed, please contact Janice Edwards (janice.edwards2@drexelmed.edu). For more information about the Delta Zeta Chapter, upcoming elections or events, contact Kathy Ryan, MD, AOA councilor, at kathleen.ryan@drexelmed.edu.

Clinical & Translational Research Institute Latest Seed Grants

The recipients of the latest round of seed funding from the Clinical & Translational Research Institute were announced during the summer. Twenty-five applications were submitted for review, and each submission was evaluated by three independent reviewers from across the University. The awards were evaluated for their overall merit and significance, the strength of the principal investigator and the research team, the fit with the institute's program of promoting innovative clinical and translational research, and the feasibility of the approach and overall strategy. A total of 10 awards (seven new and three competing renewals) were given to the following proposals:

- David Bennett, PhD (Psychiatry, PI); Virginia O'Hayer, PhD (Psychiatry); Adrienne Juarascio, PhD (Psychology); Jeffrey Jacobson, MD (Medicine, Division of Infectious Diseases & HIV Medicine): Targeting Shame to Reduce Depressive Symptoms Among People Living With HIV
- Elizabeth Blankenhorn, PhD (Microbiology & Immunology, PI); Siamac Esfandi, MD (Neurology); Hao Cheng, PhD (Materials Science & Engineering): Tolerance-Inducing Scaffold for Treatment of Multiple Sclerosis Model
- Wilbur Bowne, MD (Surgery, PI); Hao Cheng, PhD (Materials Science & Engineering): Modulation of Cancer Immunity With a Novel Tumor-Penetrating Nanogel
- Alexander Mazin, PhD (Biochemistry & Molecular Biology, PI); Lydia Komarnicky, MD (Radiation Oncology); Mauricio Reginato, PhD (Biochemistry & Molecular Biology): Development of Targeted Therapy Against BRCA-Deficient Familial Breast Cancer
- Christian Sell, PhD (Pathology & Laboratory Medicine, PI); David Libon, PhD (Neurology); Jeffrey Jacobson, MD (Medicine, Division of Infectious Diseases & HIV Medicine); Tania Giovannetti, PhD (Neurology); Vanessa Pirrone, PhD (Microbiology & Immunology); Michele Kutzler, PhD (Microbiology & Immunology); Ibiyonu



DREXEL UNIVERSITY
Clinical & Translational
Research Institute

Lawrence, MD (Medicine, Division of Internal Medicine); Gregg Johannes, PhD (Pathology & Laboratory Medicine); Joshua Mell, PhD (Microbiology & Immunology); Edward Gracely, PhD (Family, Community & Preventive Medicine): Influence of Mitochondrial Variation on Neurocognitive Status and Longevity

- Harpreet Singh, PhD (Pharmacology & Physiology, PI); Vineet Bhandari, MD (Pediatrics); Andrew Kohut, MD (Medicine, Division of Cardiology): Chloride Intracellular Channel (CLIC) Proteins in Pulmonary Hypertension and Their Potential Role as Diagnostic Biomarkers
- Claudio Torres, PhD (Pathology & Laboratory Medicine, PI); Christina Maxwell, PhD (Drexel Neurosciences Institute); G. Peter Glibus, MD (Neurology); Jill Farmer, MPH, DO (Neurology); Gregg Johannes, PhD (Pathology & Laboratory Medicine): Biomarkers of Cellular Senescence as Early Sensors of Alzheimer's Disease

Competing Renewals

- Seena Ajit, PhD (Pharmacology & Physiology, PI); Enrique Aradillas Lopez, MD (Neurology); Ahmet Sacan, PhD (School of Biomedical Engineering, Science & Health Systems): The Role of X-Linked Long Non-coding RNAs in Chronic Pain With Female Predominance
- Jeffrey Jacobson, MD (Medicine, Division of Infectious Diseases & HIV Medicine, PI); Irwin Chaiken, PhD (Biochemistry & Molecular Biology); Steven Wrenn, PhD (Chemical & Biological Engineering); Adel Ahmed, PhD (Biochemistry & Molecular Biology): Systemic Delivery of Macrocyclic HIV-1 Inhibitors Using Pegylated Liposomes
- Christopher Vinnard, MD, MPH (Medicine, Division of Infectious Diseases & HIV Medicine, PI); Joseph Salvino, PhD (Pharmacology & Physiology); Hans Schlecht, MD (Medicine, Division of Infectious Diseases & HIV Medicine): A Novel Method to Detect Rifamycins in Biologic Samples

Donna Frithsen Named Vice President

Donna Frithsen has been named vice president for development, Medicine & Health Affairs. She previously served as senior associate vice president, Health Sciences. In that role, she positioned the health sciences units' programs with the strategic plans, partnerships and forward thinking needed to take advantage of the growth opportunities on the horizon. As vice president for development, Frithsen will continue to lead the fundraising efforts of the College of Medicine and the units that make up Health Affairs, which include the College of Nursing & Health Professions, the School of Biomedical Engineering, Science & Health Systems, and the Dornsife School of Public Health.



Legacy Center Earns Society of American Archivists Award for ‘Doctor or Doctress?’

The College of Medicine’s Legacy Center is the 2015 recipient of the Philip M. Hamer–Elizabeth Hamer Kegan Award from the Society of American Archivists. The award recognizes individuals or institutions that have increased public awareness of a specific body of documents. The Legacy Center has made a portion of its unique primary sources accessible to new audiences. The stories featured on the website *Doctor*

or Doctress? Explore American history through the eyes of women physicians (doctordoctress.org) make history approachable by guiding users in interpreting and understanding these materials. The site leverages women’s stories to help students build critical analysis skills while learning about the broader scope of American history. It features images of primary source documents, video, audio, timelines, maps and contextual information, packaged to help users understand why these stories matter.

“With this wonderful mix of materials, the resource most importantly offers to researchers the guidance needed to place primary source documents in historical and cultural context,” the Award Committee wrote. “Since its inception, the site has ... [raised] awareness about its materials while being very user-friendly for the general population.”

The *Doctor or Doctress?* website was honored earlier in 2015 with the American Library Association’s ABC-CLIO Online History Award.



Vision 2020 Plans a Celebration of American Women

Hundreds of thousands of visitors are expected to participate in the national recognition of the centennial of the 19th Amendment, which granted women the right to vote. Led by Vision 2020, an initiative of the Institute for Women’s Health and Leadership at the College of Medicine, Philadelphia planners are well on their way to developing the year 2020 observance into something a lot grander than merely noting a historic date.

Called “A Celebration of American Women,” the program agenda is a year-long series of events highlighting the achievements of women, as part of the nationwide campaign for equality under Vision 2020.

With just over four years to prepare for the celebration, Vision 2020 held a key planning session last summer at the National Constitution Center, one of several partners in the project. Other partners include Visit Philadel-

phia, WHYY and the Kimmel Center for the Performing Arts, as well as Vision 2020 delegates from every state and over 80 allied organizations, representing 22 million people across the nation.

Dianne Semingson, who chairs the celebration committee, highlighted three 2020 dates: March 4, August 26 and November 3.

“We expect an agenda that carries the message every one of the 366 days in 2020,” said Semingson, “with special emphasis on a major launch event on March 4, on the federally designated Women’s Equality Day of August 26, and on Election Day in November, when we’ll be seeking the largest turnout of women voters in U.S. history.”

Semingson described forums, seminars, parades, pageants and cultural events that will be conducted throughout the year. Anne Ewers, president and CEO of the Kimmel Center, expanded on plans to feature female artists and composers throughout the year at various city venues.



Presentations were also made by Visit Philadelphia’s Betsy Oliphant, National Constitution Center COO Vince Stango, and Mary Hagy, chair of a subcommittee exploring social media and digital learning.

The event drew mayoral candidates Melissa Bailey and Jim Kenney (now mayor-elect); Sara Manzano-Díaz, Mid-Atlantic regional administrator, U.S. General Services Administration; William J. Marrazzo, president, WHYY; Rosalyn McPherson, president and CEO, Urban League of Philadelphia; RoseAnn Rosenthal, president and CEO, Ben Franklin Technology Partners of Southeastern Pennsylvania; Sylvia Spivey of The Philadelphia Foundation; and David Thornburgh, president and CEO, the Committee of Seventy.

Institute for Women's Health and Leadership Announces 2016 Woman One Award

The Institute for Women's Health and Leadership at Drexel University College of Medicine will present the 2016 Woman One Award to entrepreneur and health care advocate Renee Amoore in recognition of her wide-ranging commitment to the Philadelphia community, including her leadership role at Drexel.

The award will be presented at the 14th annual Woman One ceremony on April 25, 2016, at the Rittenhouse Hotel in Philadelphia.

The Woman One program annually honors an outstanding woman for her leadership in the Philadelphia community and raises scholarship funds for talented women from underrepresented minorities in medicine.

Amoore is the president and CEO of The Amoore Group, Inc., three companies that provide a wide variety of health care and educational services, including public relations, corporate consulting, employment training, and child and family services. She began her career in the medical field as a registered nurse with training at Harlem Hospital School of Nursing. A recipient of a bachelor's degree from Antioch College and a master's degree from Antioch



Renee Amoore



Woman One Scholars (l-r) Ivonne Martinez and Dareen Elgindi

University, she is known for her innovative approaches to assisting individuals with behavioral health issues, addictive disorders and developmental disabilities.

She is a Drexel University trustee and a member of the University's Executive Board, and is actively involved in many professional and community organizations, among them the Greater Philadelphia Chamber of Commerce, Women Against MS, and the Take the Lead Committee for Girls Scouts of Eastern Pennsylvania.

"Woman One is a phenomenal program. I am blessed and highly favored to be selected as the 2016 honoree," Amoore says. "The Woman One Scholars are a special group of underrepresented women studying medicine at Drexel University, who are selfless and understand what hard work and perseverance can accomplish." She notes that, like herself, the scholars have a demonstrated commitment to the underserved population.

Dareen Elgindi and Ivonne Martinez are this year's new Woman One Scholars. Scholars are selected for their academic achievements, leadership qualities and community service. Both Elgindi, who was born in Sudan, and Martinez, who came to the United States from Colombia, have expressed a desire to practice medicine in underserved communities after graduation.

In 13 years, the Woman One program has raised more than \$2.5 million to support scholarships for 29 current and former scholars in Drexel University's College of Medicine. For more information, visit: drexel.edu/medicine/womanone.

Golf Classic Raises \$242,000 for Medical Scholarships

With the temperature in the 90s and a beautiful blue sky above, more than a hundred golfers hit the links for the 14th annual Manuel Stamatakis Golf Classic, held by the College of Medicine on June 22 at the Philadelphia Cricket Club in Flourtown.

This year's event raised \$242,000 for scholarship funds for medical students with proven academic ability and financial need. With that, the amount of scholarship money raised since the event began in 2001 now totals more than \$3 million.

This year's fundraiser also saw the return of the Manuel Stamatakis Matching Gift Challenge for Scholarships in

Medicine. Qualifying donations are matched dollar for dollar, doubling the scholarship amounts available to each medical student.

John A. Fry, president of Drexel University, served as honorary chair of the event. Co-chairs for



With Manny Stamatakis at the wheel are this year's Stamatakis Scholars (l-r) Brian Lefchak, Blake Bowden, Melanie Dabakis, Jennifer Hong and Yehuda Kerbel. Not pictured are Christopher Scanlon and Alexandra Tilocca.

this year's golf classic were College of Medicine Dean Daniel V. Schidlow, MD; Michael P. Halter, CEO of Hahnemann University Hospital; and William R. Sasso, Esq., chairman of Stradley Ronon Stevens & Young, LLP.

> LINK DIFFERENT.

Connect to Drexel University College of Medicine's all-new website.



- Access real-time news and research updates.
- Explore departments, centers and institutes.
- Find smart resources for all academic programs.

> DREXEL.EDU/MEDICINE



Dr. Núñez Receives AAMC's Nickens Award

Ana E. Núñez, MD, professor of medicine, associate dean of urban health equity, education and research, and director of the Women's Health Education Program and Drexel's National Center of Excellence in Women's Health, has received the 2015 Herbert W. Nickens Award, presented by the Association of American Medical Colleges. Established by the AAMC to honor Nickens' lifelong concerns about the educational, societal and health care needs of minorities, the award is given to an individual who has made outstanding contributions to promoting justice in medical education and health care equity in the United States. Núñez gave the Herbert W. Nickens Award Lecture on November 9 during the AAMC annual meeting. Her subject was "Transforming 'Do No Harm' to 'Do Good': A Time to Refocus."



Dean Daniel V. Schidlow, MD, congratulates Dr. Núñez at the Nickens event.



Second Annual Dean's Cup

The College of Medicine held its second annual Dean's Cup at Buckley Field in University City on August 29. More than 120 students participated in soccer, quidditch, dodgeball, tug of war, sponge relay race, skeleton relay race and an inflatable obstacle course. Faculty, staff and alumni also were invited to come out and take part. Student leaders from the Student Government Association and Learning Societies organized the event, which was co-sponsored by the Alumni Association.

Honors to the Class of 2017

The Preclinical Awards Ceremony for the Class of 2017 was held June 30. The annual ceremony is an occasion to honor the achievements of the rising third-year students. Awards are given for academic accomplishments, professionalism and service during the first two years of medical school.

Aimee McMullin, a member of the class, was selected to receive a 2015 U.S. Public Health Service Excellence in Public Health Award, which is given by the Physicians Professional Advisory Committee of the U.S. Public Health Service in recognition of demonstrated commitment to public health and public health practice. McMullin and a classmate, Hera Mahmood, worked together to create and implement new programming at the Eliza Shirley House, a Salvation Army Shelter where Drexel medical students run a clinic. Through their efforts the residents (mothers and their children) now enjoy a healthy snack of fresh fruit, instead of junk food. (See fall *Alumni Magazine*, page 15: drexel.edu/medicine/alumni/publications.) Of note: these two students were selected to receive the Nutrition in Community Service preclinical award.



Capt. JoAnn Hittie of the U.S. Public Health Service presents the service's Excellence in Public Health Award to Aimee McMullin (center), whose work at the Eliza Shirley House with classmate Hera Mahmood (right), won her the award.



Dr. Allen

Drs. Herbert B. Allen, professor and chair, Department of Dermatology; **Maria Hannaway**, a former fellow; and **Suresh Joshi**, director of the Center for Surgical Infection & Biofilm, and assistant professor, Department of Microbiology & Immunology, are authors of "Tertiary Treponematoses," a commentary published in *Journal of Clinical & Experimental Dermatology Research*, Vol. 6, Issue 4, June 30.



Dr. Baas

Peter Baas, PhD, professor, Department of Neurobiology & Anatomy, was an invited fellow July 13–27 at Hanse-Wissenschaftskolleg, Institute for Advanced Study, Delmenhorst, Germany, where he gave a platform presentation, "Microtubules: Loss-of-Function and Gain-of-Function Mechanisms Contributing to Neurodegeneration." While in Germany, he also gave a seminar, "Microtubule-based Therapies for Injury and Disease of the Nervous System: The Kindest Cut," at the German Centre for Neurodegenerative Diseases and Center of Advanced European Studies and Research in Bonn.



Dr. Bowne

Wilbur B. Bowne, MD, associate professor of surgery and chief of the Division of Gastrointestinal Surgery, was selected as an honorary co-chair of PurpleStride Philadelphia, in recognition of his clinical, research and education efforts related to pancreatic cancer. PurpleStride Philadelphia, held this year on November 7, raises awareness and support for the Pancreatic Cancer Action Network with a 5K run and walk.

Zachary Brodnik and **David Bernstein**, both neuroscience graduate students; **Courtney Prince**, a technician; and **Rodrigo España, PhD**, assistant professor, all in the Department of Neurobiology & Anatomy, published "Hypocretin Receptor 1 Blockade Preferentially Reduces High Effort Responding for Cocaine Without Promoting Sleep" in *Behavioral Brain Research*, Vol. 291, 2015.



Dr. Castellanos

Andres E. Castellanos, MD, associate professor of surgery, director of minimally invasive surgery and robotics, and associate director of the General Surgery Residency program, is the lead author of a study, "Surgical Trainees Retain Information Longer and Master Skills Better When They Hone Their Skills Beyond Proficiency," presented during the "Posters of Exceptional Merit" session at the 2015 Annual Clinical Congress of the American College of Surgeons. The aim of this pilot study was to evaluate the effect of overlearning, or learning beyond the point of proficiency, on laparoscopic skill retention in a simulated cholecystectomy model.

Blair Dickinson, MD, assistant professor of pediatrics, is a recipient of the Mary DeWitt Pettit, MD, Fellowship, established by the Trust Fund of the Alumnae/i Association of WMC/MCP to support research or other special projects of junior female faculty members at the College of Medicine.

Tyler Eckman and **Nicole Maertzig**, second-year MLAS students, received The J. J. Noonan Scholarship Award from the Delaware Valley Branch of the American Association for Laboratory Animal Science.



Dr. Ehrlich

Garth D. Ehrlich, PhD, professor in the Departments of Microbiology & Immunology and Otolaryngology–Head and Neck Surgery, has become editor-in-chief of the journal *Genetic Testing and Molecular Biomarkers*. In addition, he has been named a visiting professor for 2015–16, Department of Botany & Microbiology, College of Science, King Saud University, Saudi Arabia.

Ehrlich has given several invited talks, including "Mechanisms of Antibiotic Resistance in Bacterial Biofilms and Strategies to Develop Novel Compounds to Render Biofilms Sensitive to Antibiotics" at GlaxoSmithKline on June 15; "PacBio-based High Specificity Microbiome Analyses" at the 18th International Symposium on Recent Advances in Otitis Media on June 9 in Washington, D.C.; and "What Can We Learn from Studies of Bacterial Heterogeneity in Other Systems With Relation to Difficulties in the Diagnosis of Lyme Disease and the Multiple Clinical Presentations Attributed to Lyme" at the Lyme Disease Summit held by Rep. Elise Stefanik on August 8 in Queensbury, N.Y.

Recent publications include "The *DpnIII* *Streptococcus pneumoniae* Restriction Modification System Is Implicated in Modulating Genome Plasticity and Evolution Among the PMEN" in *mBio*; "Search for Microorganisms in Men with Urologic Chronic Pelvic Pain Syndrome: A Culture-Independent Analysis in the MAPP Research Network" in *Journal of Urology*; and "Biofilm-based Implant Infections in Orthopaedics" in *Advances in Experimental Medicine and Biology*.



Dr. Eisen

Howard J. Eisen, MD, professor of medicine and chief of the Division of Cardiology, has been appointed to the board of directors of the International Society of Heart & Lung Transplantation, the leading organization worldwide in heart and lung transplantation and ventricular assist devices. He has also been selected to co-chair the society's International and Intersociety Coordination Committee.



Dr. Faerber

Eric N. Faerber, MD, professor of pediatrics and radiologic sciences, delivered the Juan M. Taveras Annual Lecture: "Congenital Abnormalities of the CNS" at the April 2015 meeting of the New England Roentgen Ray Society. He also served as visiting professor at Boston Children's Hospital, presenting the John A. Kirkpatrick lecture: "Pediatric Imaging, Past and Present."



Dr. Ferrier

Denise Ferrier, PhD, professor, Department of Biochemistry & Molecular Biology, was inducted into the Libris Society of Chestnut Hill College, her undergraduate alma mater, in May. Every 10 years, the society recognizes graduates “who have distinguished themselves in their personal

and professional lives while exemplifying the College motto of Fides-Caritas-Scientia.” Earlier this year, Ferrier was selected to give the June F. Klinghoffer, MD, AOA Lecture at the College of Medicine’s AOA induction ceremony.



Dr. Giszter

Simon Giszter, PhD, professor in the Department of Neurobiology & Anatomy and joint research professor in the School of Biomedical Engineering, Science & Health Systems, published “Spinal Primitives and Intra-spinal Micro-stimulation (ISMS) Based Prosthesis: A Neurobiological

Perspective on the ‘Known Unknowns’ in ISMS and Future Prospects” in *Frontiers in Neuroscience: Neuroprosthetics*, March 20. In addition, he published “Motor Primitives: New Data and Future Questions” in *Current Opinion in Neurobiology*, April 21.

Giszter is also an author, with Chintan Oza, PhD (2013, Drexel Biomedical Engineering), of “Trunk Robot Rehabilitation Training With Active Stepping Reorganizes and Enriches Trunk Motor Cortex Representations in Spinal Transected Rats” in *The Journal of Neuroscience*, Vol. 35, No. 18, May 6.

Giszter and a colleague received “proof of concept” funding of \$504,440 for their National Science Foundation Collaborative Research in Computational Neuroscience program proposal “Collaborative Research: Probabilistic Representation of Dynamic Action and Superposition in Spinal Cord Neural Populations — Advancing Theory and Experiment.” The Drexel fraction will be \$304,000 over two years.



Dr. Goldenthal



Dr. Melvin

Michael J. Goldenthal, PhD, research associate professor of pediatrics and scientific director of the Mitochondrial Disease Laboratory at St. Christopher’s Hospital for Children;

Shirish Damle, PhD, research associate; and members of St. Christopher’s Pediatric Neurology Section, including

Joseph Melvin, DO, assistant professor of pediatrics; **H. Huntley Hardison, MD**, assistant professor of pediatrics, and **Agustin Legido, MD, PhD, MBA**, professor of pediatrics and neurology, neurology section chair at St. Christopher’s and medical director of the Mitochondrial



Dr. Hardison



Dr. Legido

Disease Lab, are among the authors of “Mitochondrial Enzyme Dysfunction in Autism Spectrum Disorders; a Novel Biomarker Revealed From Buccal Swab Analysis” in *Biomarkers in Medicine*, Vol. 9, No. 10 (in press).

This study, featuring the largest series of children with

Calendar

DECEMBER

Safe Toys and Gifts Month

- 10 **DUCoM Classical Recital, 7:30 p.m.**
The Academy of Vocal Arts
1920 Spruce Street
Registration: eventbrite.com/e/ducom-classical-recital-tickets-19271541700
Alumni Reception, 6:15 p.m. before recital
Registration and information: drexel.edu/medicine/Alumni/Events or call Cory Miller, 215.255.7345

7–13 *National Influenza Vaccination Week*

2016

January

Cervical Health Awareness Month

- 18 **Martin Luther King Jr. Holiday**
Day of service (details TBA)
- 21 **The Road to Residency: The Faculty’s Role as Career Adviser**
Monmouth Medical Center, evening
Information: Tracey McCafferty, 215.991.8561

February

American Heart Month

- 19 **The Road to Residency: The Faculty’s Role as Career Adviser**
Abington Memorial Hospital, evening
Information: Tracey McCafferty, 215.991.8561
- 20 **Pediatric AIDS Benefit**
Fabulous student/faculty talent show
Main Building, University City Campus, evening (time TBA)
Information: barbara.lasher@drexelmed.edu

March

Brain Injury Awareness Month

- 18 **Match Day**

April

National Autism Awareness Month

May

Better Sleep Month

- 19 **Classes of 1966 Dinner**
- 20–21 **Alumni Weekend for all reunion classes**
Information: drexel.edu/medicine/Alumni/Reunions/
- 20 **Commencement**

Alumni: For more information about alumni events, please call 215.255.7345 or email medical.alumni@drexel.edu.

autism assessed for mitochondrial function thus far, found that out of 92 subjects, 42 percent showed significant levels of mitochondrial dysfunction.



Dr. Gupta

Anita Gupta, DO, PharmD, associate professor, Department of Anesthesiology & Perioperative Medicine, and vice chair, Division of Pain Medicine & Regional Anesthesiology, testified before the U.S. Food and Drug Administration in support of expanded access to naloxone, a

medication that can rapidly reverse an opioid overdose. Speaking on behalf of the American Society of Anesthesiologists at the FDA Public Workshop on Naloxone held July 1–2, Gupta expressed the society's support for expanding access to naloxone to more nonmedical personnel. Gupta is a member of the society's Committee on Pain Medicine. She is also a special government employee of the FDA Anesthetic and Analgesic Drug Products Advisory Committee.



Dr. Hong

Eugene Hong, MD, Hamot and Sturgis Endowed Chair and Professor, Department of Family, Community & Preventive Medicine, and associate chief, Division of Sports Medicine, has been selected to join the Sports Science and Safety Committee for US Lacrosse, the national organization

that governs the sport. He is also the team physician for the 2016 men's U19 national team. Hong was the invited speaker for the American College of Sports Medicine-American Psychological Association exchange lecture at the association's meeting August 8 in Toronto. He presented "Depression in Athletes: A Collaboration Between Sports Medicine and Sports Psychology."



Dr. Joshi

Suresh G. Joshi, MD, PhD, director of the Center for Surgical Infection & Biofilm, assistant professor in the Departments of Microbiology & Immunology, and Surgery, and adjunct professor of biomedical engineering, science and health systems, with former biomedical engineering

students Lorenzo Albala, MS, and Utku Ercan, PhD, and Margaret Wheatley, PhD, professor of biomedical engineering, published "Preservation of Imaging Capability in Sensitive Ultrasound Contrast Agents After Indirect Plasma Sterilization" in *International Journal of Pharmaceutics*, August 1.

Joshi and former graduate student Adam D. Yost, PhD (lead author) published "Atmospheric Nonthermal Plasma-Treated PBS Inactivates *Escherichia coli* by Oxidative DNA Damage" in *PLoS One*, October 13. In addition, Joshi was a member of the organizing committee for the World Congress and Exhibition on Antibiotics held September 14–16 in Las Vegas, where he presented "Nonthermal Plasma-Treated Solutions as Antimicrobial Agents in Control of Multi-Drug Resistant Pathogens."

Brianne Karten, MLAS '15; Marissa Powers, biomedical engineering PhD student; and **Karen Moxon, PhD**, associate professor, Department of Neurobiology & Anatomy, and a professor of biomedical engineering, presented a poster, "A Method for Training Bipedal Locomotion in a Rat Spinal Cord Injury Model," at the American Association for Laboratory Animal Science TriBranch meeting held June 8–10 in Atlantic City, N.J.

Roseann Kehoe, student in the online MLAS program, presented a poster, "Pair-Housed Rabbits in a GLP Facility," at the American Association for Laboratory Animal Science TriBranch meeting held June 8–10 in Atlantic City, N.J.



Dr. Lane

Michael Lane, PhD, assistant professor, Department of Neurobiology & Anatomy, presented a talk, "Enhancing Respiratory Plasticity After Cervical Spinal Cord Injury," at the National Neurotrauma Society symposium, held June 28–July 1 in Santa Fe, N.M.



Dr. Libson

David J. Libson, PhD, professor of neurology, received the 2015 Paul Satz-INS Career Mentoring Award from the International Neuropsychological Society, given to an individual whose mentoring or teaching has made a profound impact on the careers of students in neuropsychology. In addition, in March, he was presented the 2014 Mentorship Award of the Philadelphia Neuropsychology Society and gave the mentor award lecture.



Dr. Lippa

Carol F. Lippa, MD, professor and interim chair, Department of Neurology, and director of the Memory Disorders Program, was invited to speak to the Advisory Council on Alzheimer's Research, Care and Services at the U.S. Department of Health and Human Services on July 27. This was a meeting of President Obama's National Alzheimer's Project, to educate the advisory council about the Alzheimer's disease-related dementias.



Dr. Marchenko

Vitaliy Marchenko, MD, PhD, research assistant professor, Department of Neurobiology & Anatomy, received a Department of Defense grant for "Activation of Central Pattern Generator for Respiration Following Complete High Cervical Spinal." **Michael Lane, PhD**, assistant professor in the department, is co-investigator.



Dr. Mell

Joshua Chang Mell, PhD, assistant professor in the Department of Microbiology & Immunology, was an invited speaker at the Spanish Society for Microbiology conference, July 9 in Logroño, Spain, and at the Gordon Research Conference on Microbial Population Biology, July 19 in Andover, N.H.

Luke Mitchell, neuroscience PhD student, presented a poster, "Methylphenidate-Induced Modulation of Visual Evoked Potentials and Oscillatory States in the Rat Visual Thalamus," at the Gordon Research Conference: Catecholamines, held August 9–14 in Newry, Maine.



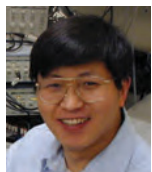
Dr. Momplaisir

Florence Momplaisir, MD, an assistant professor of medicine in the Division of Infectious Diseases & HIV Medicine, is a recipient of the Mary DeWitt Pettit, MD, Fellowship, established by the Trust Fund of the Alumnae/i Association of WMC/MCP to support research or other special

projects of junior female faculty members at the College of Medicine.

Momplaisir has also been selected by the Robert Wood Johnson Foundation for the Harold Amos Medical Faculty Development program. Each Amos Scholar receives an annual stipend and grant toward support of research activities. Her project title is "Socio-cognitive and Structural Factors Associated with Postpartum HIV Care Engagement." In other honors, Momplaisir has received the IMPAACT [International Maternal, Pediatric, Adolescent AIDS Clinical Trials Network] Early Career Investigator Mentored Research Award to analyze data from an IMPAACT study to compare outcomes of HIV-positive pregnant women with and without depression. **David Bennett, PhD**, associate professor of psychiatry, will be her primary mentor.

Momplaisir was the senior author of "Postpartum Engagement in HIV Care: An Important Predictor of Long-term Retention in Care and Viral Suppression," published in *Clinical Infectious Diseases* (first published online August 11). She was the lead author of "Time of HIV Diagnosis and Engagement in Prenatal Care Impact Virologic Outcomes of Pregnant Women with HIV," published in PLoS ONE, July 1. Both articles were collaborations with the Philadelphia Department of Public Health, students and faculty in Drexel's School of Public Health, and other colleagues.



Dr. Gao

Sarah Monaco, MS '15, and **Yelena Gulchina**, a PhD candidate, and **Wen-Jun Gao, PhD**, professor, all in the Department of Neurobiology & Anatomy, co-authored "NR2B Subunit in the Prefrontal Cortex: A Double-Edged Sword for Working Memory Function and Psychiatric Disorders" in

the journal *Neuroscience & Biobehavioral Reviews*, Vol. 56, July.



Ms. Navarra

Rachel Navarra, a PhD candidate in the Department of Pharmacology & Physiology, presented a talk, "Methylphenidate Enhances Early Sensory Signal Processing in the Rat Visual Thalamus Through Noradrenergic Signaling" at the Gordon Research Conference: Catecholamines, held August 9–14 in Newry, Maine.

Dr. Greenberg Heads New Emergency Medicine Journal

Michael I. Greenberg, MD, MPH, professor of emergency medicine and chief of the Division of Medical Toxicology, has been named editor-in-chief of *Visual Journal of Emergency Medicine*, a new academic journal published by Elsevier. This



Dr. Greenberg

peer-reviewed journal publishes image-based case discussions representing the entire core curriculum and subspecialties of clinical emergency medicine. Images include clinical photos, EKGs, MRIs, CTs, plain X-rays and clinical videos.

Greenberg shares editorial responsibilities for the journal with associate editors from the College of Medicine faculty: **Ralph Riviello, MD, MS**, professor of emergency medicine; **David Vearrier, MD, MPH**, assistant professor of emergency medicine, Division of Medical Toxicology and program director, Medical Toxicology Fellowship; **Laura Vearrier, MD**, clinical assistant professor of emergency medicine; and **Rita McKeever, MD**, instructor in emergency medicine.



Dr. Nyirjesy

Paul Nyirjesy, MD, professor in the Department of Obstetrics & Gynecology and director of the Drexel Vaginitis Center, served as a primary reviewer and consultant for the CDC's 2015 Sexually Transmitted Diseases Treatment Guidelines, which were released in June. He was recently

invited to join the editorial board of the *Journal of Lower Genital Tract Disease*.

David Pensak, PhD, adjunct professor in the Department of Anesthesiology & Perioperative Medicine, was one of three speakers invited to discuss their careers in "Pioneers in Innovation," part of a series sponsored by the George Dean Johnson, Jr. College of Business and Economics at the University of South Carolina Upstate. A prolific inventor, Pensak founded Vaporiety, HemoStable and other successful startups after a 30-year career at DuPont, where he held myriad senior research positions.



Dr. Detloff



Dr. Houle

Daniel Quiros-Molina, MLAS, research assistant; **Megan Ryan Detloff, PhD**, instructor; and **John D. Houle, PhD**, professor, all in the Department of Neurobiology & Anatomy, presented a

poster, "Cervical Spinal Cord Injury in the Rat: Behavioral and Histological Outcomes," at the American Association for Laboratory Animal Science TriBranch meeting held June 8–10 in Atlantic City, N.J.

• continued on page 18



Dr. Reginato

Mauricio J. Reginato, PhD, associate professor, Department of Biochemistry & Molecular Biology, was appointed as a standing committee member of the National Institutes of Health Subcommittee I - Transition to Independence of the National Cancer Institute Initial Review

Group from 2015 to 2019. Last summer, he was an invited speaker at the Origins of Cancer Symposium at the Van Andel Research Institute in Grand Rapids, Mich., where he presented the seminar "Nutrient Sensor O-GlcNAcylation: Linking Metabolism and Signaling in Cancer" on July 10.

Rahul Sachdeva, a PhD candidate, and **John D. Houle, PhD**, professor in the Department of Neurobiology & Anatomy, published "mRNAs and Protein Synthetic Machinery Localize into Regenerating Spinal Cord Axons When They Are Provided a Substrate That Supports Growth" in *The Journal of Neuroscience*, Vol. 35, No. 28, July 15. This study was performed in collaboration with Ashley Kalinski, PhD candidate, and Jeffery L. Twiss, MD, PhD, professor and former chair, both in the Department of Biology, Drexel College of Arts & Sciences. This study was selected as the cover article for the issue.

Divya Sagar, PhD, Neuroscience '15, received the American Association of Immunologists' Trainee Abstract Award and an invitation to present a talk at Immunology 2015, held May 8–12 in New Orleans. "Antibody Blocking of CLEC12A Delays the Course and Attenuates EAE Severity by Impairing Myeloid Cell CNS Infiltration: A Potential New Therapy for Multiple Sclerosis." She received the Dean's Graduate Student Travel Award to attend the conference. Earlier in the spring, she received a Young Investigator Travel Award to present her poster at the 21st Scientific Conference for the Society on NeuroImmune Pharmacology, April 22–25 in Miami.



Ms. Sodi

Valerie Sodi, a PhD candidate in the Molecular and Cell Biology & Genetics program, received a National Cancer Institute F31 Individual Predoctoral Fellowship award for her proposal "Understanding the Role of O-GlcNAcylation in Regulating Cancer Lipid Metabolism."

Sodi is doing thesis work in the lab of **Mauricio Reginato, PhD**, associate professor of biochemistry and molecular biology.

Weiguo Song, PhD, former postdoctoral fellow, **Simon F. Giszter, PhD**, professor, Department of Neurobiology & Anatomy, and colleagues published "Adaptation to Elastic Loads and BMI Robot Controls During Rat Locomotion Examined With Point-process GLMs" in *Frontiers in Systems Neuroscience*, April 28.



Dr. Huneke

Christina Stinger, BS, CVT, veterinary technician and supervisor for ULAR at Queen Lane; **Richard Huneke, DVM, MPH**, executive director, ULAR; **Veronica Tom, PhD**, assistant professor, Department of Neurobiology & Anatomy; and **Melisa Semenas, MLAS '15**, presented a poster,

"Reduction of Bacterial Cystitis in Spinal Cord Injured Rats Using Oral d-Mannose," at the American Association for Laboratory Animal Science TriBranch meeting held June 8–10 in Atlantic City, N.J.

In September, Stinger received the Allentown Inc. Facility Manager/Supervisor Award, presented by the Delaware Valley Branch of AALAS.



Ms. Vogelsong



Ms. McCurry

Erin Vogelsong, MS, assistant professor, and Julia Krout, MLAS '09, presented for discussion "Vet Tech, Manager, Director, IACUC Coordinator, Trainer or Vet: What Does MLAS Have to

Do With It?" at the American Association for Laboratory Animal Science TriBranch meeting held June 8–10 in Atlantic City, N.J. The panelists were **Andrea McCurry, MLAS**, assistant director, ULAR; **Emily Reimold, MLAS**, veterinary technician, ULAR; **Rebecca Spangenberg, MLAS**, IACUC coordinator, Office of Research; and Stephany Alvarez Silva, MLAS '12.



Dr. Weingarten

Michael S. Weingarten, MD, MBA, professor of surgery, chief of the Division of Vascular Surgery, and director of the Wound Healing program, served as clinical adviser to a winning team of Drexel biomedical engineering students who attended the 2015 Biomedical

Engineering Society Coulter College, held August 13–16 in Coral Gables, Fla. Coulter College is an intensive training program focused on translational research. The Drexel team won the design competition for surgical wound closure.

Di Wu, PhD, postdoctoral fellow, and **Veronica Tom, PhD**, assistant professor, Department of Neurobiology & Anatomy, published "Expressing Constitutively-Active Rheb in Adult Neurons After a Complete Spinal Cord Injury Enhances Axonal Regeneration Beyond a Chondroitinase-treated Glial Scar" in *The Journal of Neuroscience*, August 5.



Ms. Yeakel

Lynn Yeakel, MSM, director of the Institute for Women's Health and Leadership at the College of Medicine, was invited to give the opening remarks at a Main Line Chamber of Commerce event, "Rules of Work: Legal Issues for Bosses and Their Employees," held September

24 as part of the chamber series Make More Save More.

New Master of Science Programs in Biomedicine & Business, Media, Entrepreneurship or Law

The College of Medicine's Graduate School of Biomedical Sciences & Professional Studies has launched four career-oriented master's programs that address the intersection of basic science with digital media, law, business and entrepreneurship. Students who successfully complete the programs will earn a master of science degree in two years of full-time enrollment or four years part time.

The basic science and biomedical technology development courses are taught by College of Medicine faculty from the Department of Microbiology & Immunology and the Institute for Molecular Medicine & Infectious Disease. Courses in business, digital media, entrepreneurship and law are taught by faculty at the respective Drexel school or college.

Students also have the opportunity to earn experiential learning credits through research or workplace internships, as well as existing research or work experience. "Students can tailor hands-on experience to fit their future career expectations and current personal needs," says Brian Wigdahl, PhD, chair of Microbiology & Immunology and director of the Institute for Molecular Medicine & Infectious Disease.

An analysis done by the Pennsylvania Department of Labor & Industry indicates that by 2018 almost 1 million of the new jobs in the state will be science, technology, engineering, math and health care positions. "These interdisciplinary programs in biomedicine are designed to help professionals stay competitive in today's job market," says Sandra Urdaneta-Hartmann, MD, PhD, MBA, assistant professor of microbiology and immunology and director of the new programs.

Biomedicine and Business

The Biomedicine and Business program provides training in scientific discovery, technology commercialization and business, preparing individuals for leadership in scientifically oriented management positions in the public or private sector. Business courses will be taught by LeBow College of Business faculty.

Biomedicine and Digital Media

The Biomedicine and Digital Media program intersects science, technology, art and entrepreneurship. This skills-based program is for individuals interested in media design and production careers with an emphasis in health and science. Students will also be taught by faculty from the Department of Digital Media at Drexel's Westphal College of Media Arts & Design.

Biomedicine and Entrepreneurship

The Biomedicine and Entrepreneurship program integrates training in technical and practical aspects of science, research and entrepreneurship for individuals interested in pursuing innovation-driven careers in the life sciences. The program helps develop individual initiative and entrepreneurial thinking around scientific discoveries and innovation. Faculty from Drexel's Close School of Entrepreneurship will teach essential skills for new venture creation.

Biomedicine and Law

The Biomedicine and Law program provides interactive training in technical and practical aspects of science and research, as well as in the legal aspects related to new biomedical product development, entrepreneurship and regulatory compliance. This program is for individuals focused on careers in technology development. Faculty from Drexel's Thomas R. Kline School of Law will also teach this program.



'50s

Peter B. Riesz, MD, HU '59, a retired radiologist and Texas Radiological Society historian who lives in Victoria, Texas, recently published a book titled *The Texas Radiological Society, A Centennial History*. Riesz received the Gold Medal of Texas Radiological Society in 2014.

'60s

C. Douglas Fogg, MD, HU '61, chief of staff at St. Luke's Hospital and medical director at the Wound Recovery Center at Hawthorn Medical in New Bedford, Mass., retired at the age of 80 after 42 years in medicine.

Loretta Finnegan, MD, HU '64, received the 2015 Phyllis Marciano, MD, WMC '60, Woman in Medicine Award, an annual award established by the Trust Fund of the Alumnae/i Association of WMC/MCP "to recognize a female physician, scientist or staff member, preferably at the College of Medicine, for her leadership, teaching of students, care of patients and status as a role model for women in medicine."



Ellie Cantor, PhD, MCP '79, presents the Woman in Medicine award to Loretta Finnegan, MD, HU '64.

David Rilling, MD, HU '66, has been named chief of surgery at Lock Haven Hospital in Lock Haven, Pa., and is working there as a full-time general surgeon.

'70s

Michael Swank, MD, HU '70, a cardiothoracic surgeon in Milwaukee, was appointed medical director of the recently formed Cardiothoracic Surgery Group, Community Physicians of Froedtert Hospital and the Medical College of Wisconsin. He is based in Menomonee Falls.

Mark Jewett, MD, HU '73, has retired from his primary care practice at Rochester Health Center in Rochester, Vt., after more than 30 years of practicing medicine.

Stuart Orsher, MD, HU '75, an internist based in New York City, is the new board president of The Voice Foundation, which provides education and expertise in the care of the professional voice user.

Norman Rappaport, DDS, MD, HU '75, a cosmetic and reconstructive plastic surgeon of the Houston Center for Plastic Surgery, was elected to serve a three-year term as a trustee for the American Society of Plastic Surgeons.



Robert Figlin, MD, MCP '76, Steven Spielberg Family Chair in Hematology-Oncology and professor of medicine and biomedical sciences at the Cedars-Sinai Samuel Oschin Comprehensive Cancer Institute in Los Angeles, Calif., was appointed to the Scientific Advisory Board of Argos Therapeutics, Inc.

William Shapiro, MD, HU '76, joined the after-hours care department at Maui Lani Medical Office, part of Hawaii Permanente Medical Group, in Wailuku, Hawaii. Previously he had served in Kaiser Permanente's Southern California region, in the emergency departments of Orange County-Anaheim and Orange County-Irvine facilities.

William N. Hait, MD, MCP '78; PhD, Pharmacology, MCP '78, founding director and advisory board member of the Rutgers Cancer Institute of New Jersey, was among 100 individuals and groups honored by Massachusetts General Hospital Cancer Center for their commitment to the fight against cancer. Hait is the global head of Janssen Research & Development, part of the Janssen Pharmaceutical Companies of Johnson & Johnson.

Debra Pachucki, MD, MCP '79, an internal medicine practitioner, joined the Wethersfield, Conn., office of the Hartford HealthCare Medical Group.

'80s

Michael S. Anger, MD, HU '81; Internal Medicine Resident, HU '83; is the chief medical officer of American Renal Associates, a nationwide dialysis company based in Beverly, Mass. He is the president and senior partner of Western Nephrology, a practice in the Denver metro area, and also serves as a clinical professor of medicine at the University of Colorado School of Medicine. During the summer, he volunteered for a week as senior medical staff at Camp Colorado, an American Diabetes Association-sponsored summer camp for children with diabetes, as he does each year.

Norman "Chip" Hetzler Jr., MD, HU '82, Col. USAR, a cardiovascular and thoracic surgeon, has opened Coliseum Heart, Lung & Vascular Associates at Coliseum Medical Centers in Macon, Ga.

Emily Grum, MD, MCP '84, joined Geisinger Community Medical Center in Scranton, Pa., as a pulmonologist.

David J. Shulkin, MD, MCP '86, has been confirmed by the U.S. Senate as undersecretary of health for the U.S. Department of Veterans Affairs, making him the chief executive of the Veterans Health Administration, with over 1,700 sites of care serving 8.76 million veterans



each year. He most recently served as president of Morristown Medical Center and vice president of Atlantic Health System based in Morristown, N.J. Shulkin previously was the president and CEO of Beth Israel Medical Center in New York City. In prior positions, Shulkin served as the chief medical officer of the University of Pennsylvania Health System; Temple University Hospital; and the Medical College of Pennsylvania Hospital, during which time he was chief quality officer at Drexel University College of Medicine.

Andrew Marlowe, MD, MCP '87, an adult and pediatric oncology, neurology and general otolaryngology physician at Sarasota Memorial Hospital in Sarasota, Fla., was named a "Top Doctor" in *Sarasota Magazine*.

Michael Fox, MD, HU '88, joined Geisinger Wyoming Valley Medical Center in Wilkes-Barre, Pa., as an internal medicine physician. Fox has been a Geisinger physician for 24 years and previously worked at Geisinger-Mt. Pleasant in Scranton.

Steven Vale, MD, MCP '88, has been named a top ophthalmologist by Consumers' Research Council of America. He is the founder of Acuity Laser Eye & Vision Center, with offices in Scranton and Bethlehem, Pa.



Cora Foster, MD, MCP '89, a general surgeon who specializes in breast health services, began offering same-day surgical procedures at Schuyler Hospital in Montour Falls, N.Y. She has been employed by Surgical Associates of Ithaca since 1996, is on staff at the Cayuga Medical Center, and is also the medical director of the Cayuga Center for Wound Healing at Cayuga Medical Center.

'90s

Joseph Chacko, MD, MCP '91, has been promoted to professor of ophthalmology and neurology at the University of Arkansas for Medical Sciences in Little Rock. He has served as director of neuro-ophthalmology at the Jones Eye Institute of the university since 2005.

Caroline V. Gatewood, MD, MCP '92, joined Peconic Landing's health care team as a neurology consultant for its Memory Care Center in Greenport, N.Y. She continues to have a private practice in Mattituck, N.Y.

Deepak Gupta, MD, MCP '92, was promoted to medical director of anesthesiology at Euclid Hospital, Euclid, Ohio, which is part of the Cleveland Clinic Health System.

Robert H. Hall, MD, HU '92, was ordained as a permanent deacon by Archbishop Charles J. Chaput for the Archdiocese of Philadelphia.

Thomas McCarter, MD, HU '92, was hired as the first chief medical officer at TEAM of Care Solutions, LLC, a developer of care coordination and care team collaboration software based in Fort Lee, N.J.

Todd Stefan, MD, HU '92, was named chief medical officer of the Evangelical Medical Services Organization in Lewisburg, Pa. He served as president of the organization's medical staff from 2013 to 2015.

Linda Klein, MD, MCP '94, a family practice physician, has joined the Riverside Clinic at Rusk County Memorial Hospital in Ladysmith, Wis. Klein is the first primary care physician to work at the clinic, which operates as a department of the hospital to provide local access to primary care. She previously worked as a family medicine and emergency medicine provider in Montana, Oregon and Washington.

Lawton DeLisser, MD, MCP '96, joined the active medical staff at Pottstown Memorial Medical Center, Pottstown, Pa., in the Emergency Department.

David F. Sorrentino, MD, MCP '97, was appointed chief of the Division of Neonatology at Rutgers Robert Wood Johnson Medical School and director of the Level 3 Neonatal Intensive Care Unit for Bristol-Myers Squibb Children's Hospital at Robert Wood Johnson University Hospital in New Brunswick, N.J.

Anne-Marie Martin, PhD, Microbiology & Immunology, MCPHU '98, was hired as vice president, head of biomarker research and development at Adaptimmune, a clinical stage biopharmaceutical company with operations in Oxford, U.K., and Philadelphia.

Aly Cohen, MD, MCPHU '99, founder and medical director of Integrative Rheumatology Associates PC in Monroe Township, N.J., and The Smart Human LLC in Cranbury, N.J., was recognized by *NJBIZ* newspaper as a Health Care Hero.

'00s

Pamela Lacy, MD '02, medical director of obstetrics and chairperson of the Department of Obstetrics & Gynecology at Baptist Memorial Hospital-Golden Triangle in Columbus, Miss., was the commencement speaker for the Mississippi University for Women.

Gregory T. Poulter, MD '02, a specialist in the surgical treatment of spinal diseases at OrthoIndy in Indianapolis, Ind., a provider of orthopedic health care, was recognized as a Top Doctor in *Indianapolis Monthly*.

Parth Amin, MD '03, a general, vascular and critical care surgeon, has joined Bronson Cardiothoracic, Vascular & Endovascular Specialists in Kalamazoo, Mich. He completed his cardiothoracic surgery fellowship at Loyola University Medical Center in Chicago, his vascular surgery fellowship at University of Iowa Hospitals and Clinics in Iowa City, and a trauma surgery/critical care fellowship at the University of Tennessee in Memphis.

Anup Katheria, MD '04, research director of the Neonatal Research Institute at Sharp Mary Birch Hospital for Women & Newborns in San Diego, was recently appointed assistant clinical professor of pediatrics at Loma Linda University and accepted as a member of the Society for Pediatric Research. Katheria completed his pediatric residency at Children's Hospital of Orange County and his perinatal-neonatal fellowship at the University of California, San Diego.

Erin Cooper, MD '05, and **Geoffrey Cooper, MD '05**, have joined the medical staff of Bourbon Community Hospital, Paris, Ky. They will be part of the family medicine practice at the Bluegrass Medical Clinic. The Coopers came to Paris from Fremont, Neb. Erin Cooper completed a residency in the Department of Family Medicine and a geriatric medicine fellowship in the Department of Internal Medicine at the University of Nebraska Medical Center. She served as medical director for the Fremont Area Medical Center Hospice and medical director of the Nye Courte Assisted Living Facility, as well as serving on the Nye Senior Services Medical Advisory Board. Geoffrey Cooper completed his residency in family medicine at the University of Nebraska/Offutt Air Force Base. He served in the United States Air Force Reserves as a second lieutenant from 2001 to 2005 and as a major in the USAF from 2005 to 2012.

Robert Greenleaf, MD '05, a spinal surgeon with Reconstructive Orthopedics in New Jersey, was the commencement speaker for the Solanco High School Class of 2015.

Thomas Dailey Riley IV, MD; MS Biological Science '06, was selected as the "May Resident of the Month" at Marshall University's Joan C. Edwards School of Medicine in Huntington, W.Va., where he was serving as chief resident in orthopedics. Riley completed his residency training in June and planned to enter an orthopedic sports medicine fellowship.

Blair Dickinson, MD '09 See page 14.

Julia Krout, MLAS '09 See Vogelsong, page 18.

Jeffrey Tuman, MD '09, an orthopedic sports medicine surgeon, has joined the Slocum Center for Orthopedics & Sports Medicine in Eugene, Ore. After finishing his residency in orthopedic surgery at the University of Virginia in Charlottesville, Tuman completed a fellowship in orthopedic sports medicine at Stanford University.

'10s

Emily Reimold, MLAS '10 See Vogelsong, page 18.

John T. Wenzel, MD '10, joined the faculty of the Department of Anesthesiology at Thomas Jefferson University in Philadelphia. Wenzel completed both his residency in anesthesiology (2014) and his fellowship in regional anesthesia and acute pain (2015) at Jefferson.

Kim Gilmore, MLAS '11, received the Bio-Serve Enhancement or Improvement of Animal Welfare Award from the Delaware Valley Branch of the American Association for Laboratory Animal Science. She is a senior veterinary technician at Temple University.

Stephanie Alvarez Silva, MLAS '12, was inducted as president of the Delaware Valley Branch of the American Association for Laboratory Animal Science. See also Vogelsong, page 18.

Megen D. Cummings, MLAS '13, a student at Mississippi State University College of Veterinary Medicine, was selected for the F. Edward Hébert Armed Forces Health Professions Scholarship program and was commissioned on May 21 as a second lieutenant in the U.S. Army Veterinary Corps. Upon graduation in May 2017, she will receive her doctorate in veterinary medicine and will be promoted to captain. She will be an active duty veterinarian in the Army.

Daniel Quiros-Molina, MLAS '14 See page 17.

Meredith Dixon, MLAS '15, received the Harry Rozmiarek Award from the Delaware Valley Branch of the American Association for Laboratory Animal Science. The purpose of the award is to promote technician authorship.

Former Interns, Residents and Fellows

Dennis E. Daniels, MD; Internal Medicine Resident, MCP '00; Pulmonary/Critical Care Fellow '03, joined the Citizens Memorial Hospital Pulmonology Clinic in Bolivar, Mo.

James E. Galvin, MD, MPH; Neurology Resident, MCPHU '96, joined Florida Atlantic University's Charles E. Schmidt College of Medicine in Boca Raton as professor of clinical biomedical science and associate dean for clinical research, with a joint appointment as a professor in the Christine E. Lynn College of Nursing. He also will serve as medical director of the Louis and Anne Green Memory and Wellness Center. In addition, Galvin will take on the role of director of the Toby and Leon Cooperman Center for Memory Disorders and Alzheimer's disease at the Marcus Neuroscience Institute at Boca Raton Regional Hospital. Galvin previously held concurrent positions at New York University and NYU Langone Medical Center.

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If you have **new contact information**, please let us know by calling 215.255.7345 or emailing medical.alumni@drexel.edu. This will ensure that you receive alumni publications, invitations and other important news.

Lewis Kline, MD, Internal Medicine Resident, MCP '82, a pulmonologist, has joined Allegheny Health Network in the Pittsburgh, Pa., metropolitan area.

Richard Shoemaker, MD; Emergency Medicine Resident '06, an emergency medicine physician at Delaware County Memorial Hospital, Drexel Hill, Pa., competed for \$1 million in the finals of the NBC show, "American Ninja Warrior," 2015, finishing in eighth place.

Jack Sobel, MD; Infectious Diseases Fellow, MCP '78, was appointed dean of the Wayne State University School of Medicine in Detroit. He had served as interim dean since last November.

Paul M. Tejera, MD; Internal Medicine Resident '13; Endocrinology Fellow '15, has joined the medical staff of the St. Lawrence Health System, St. Lawrence County, N.Y. He is the first endocrinologist to practice in St. Lawrence County.

In Memoriam

John M. Aber, MD, HU '67, October 25
Raymond S. Alexander, MD, HU '58, August 24
Ernest E. Alvin Jr., MD, HU '51, June 20
Kazuko Bill, MD, WMC '48, October 6
Francis Joseph E. Brady, MD, HU '43, October 31
Barbara E. Chick, MD, WMC '59, October 13
Louis E. Fettig, MD, HU '47, August 30
Jeffrey R. Fine, MD, HU '66, October 25
Katherine A. Gallagher-Shrift, MD, HU '82,
September 26
Frederick V. Gipson, MD, HU '46, October 1
Richard C. Goos, MD, HU '48, July 12
Joseph R. Govi, MD, HU '58, November 2
Donald Richard Gross, MD, HU '48, June 13
Henry H. Haven, MD, HU '61, June 25
George Z. Heimbach, MD, HU '57, October 23
Gertrude E. Hight, MD, WMC '65, May 26
Namiko Kominami, MD, WMC '62, May 3
Augusta H. Kressler, MD, WMC '41, July 1
George Kushner Jr., MD, HU '56, January 12
Henry B. Leonardi, MD, HU '58, August 16
Philip Lisan, MD, HU '51, June 2
Michael D. Mahoney, MD, HU '75, July 16
Kathlynn Deviny Miller, MD, MCP '79, August 5
Dorcas L. Morrow, MD, WMC '60, August 7
John P. Motley, MD, HU '55, June 24
Rachel Edgarde Pape, MD, WMC '57, September 10
Robert C. Park, MD, HU '58, October 21
Eliot E. Percelay, MD, HU '58, July 19
Joseph P. Reardon, MD, HU '46, October 2
William J. Robertello, MD, MCP '84, August 14
Charles L. Rojer, MD, HU '60, November 13
Toby E. Silverstein, MD, HU '50, July 7
Frederick R. Taylor Jr., MD, HU '76, September 19
Mary Jo G. Thomas, MD, HU '59, August 10
Edwin M. Todd, MD, HU '52, JD, PhD, October 10
Joseph P. Viglione, MD, HU '53, October 20
William T. Wright, MD, HU '51, October 19

Albert H. Gleason, MD, HU '38, died on September 6, weeks before turning 104. He began his practice in New Jersey, then moved to Florida in 1940. He served as a flight surgeon in the Army Air Corps during the war. When he returned, he established his practice in Winter Garden, Fla., where he was instrumental in establishing the first area hospital. He retired in 2004. He is survived by his five children, Barbara G. Taggart, Frances G. Grubbs, Thomas

A. Gleason, Jennifer G. Brinner and Catherine Elizabeth Gleason, MD, and their families. He was predeceased by his wife of 56 years, Georgia H. Gleason.

Maureen E. Thompson, MD, MCP '81, died on May 25. A lieutenant colonel in the U.S. Air Force (retired), she completed her residency in obstetrics and gynecology at Keesler Air Force Base in Mississippi, then served as staff ob/gyn and medical director of labor and delivery at Eglin AFB, Florida. After leaving active duty, she accompanied her husband to Germany, where she volunteered at the Ramstein AFB Medical Clinic. When they returned to Eglin, she contributed her medical expertise to local county public health units. Later she began a solo practice, Mid-Bay Women's Clinic, and served for a time as chief of surgery at Twin Cities Hospital. She is survived by her husband, JC, their sons, Peter and Kevin, and a grandson.

John R. Vinton, MD, MCP '74, died July 8 in Brunswick, Maine, at the age of 73. He is survived by his wife and MCP classmate Mary Ann Chase, MD. Together they trained at Montefiore Hospital in the Bronx and studied infectious disease in Brazil. They returned to Maine in 1977 and opened an internal medicine practice in Damariscotta. In 1985, they moved their family to Salt Lake City and spent years living and working in Utah. In addition to his wife, Vinton is survived by their sons, Nathaniel and Andrew, and three granddaughters.



Joyce Howell Young, MD, WMC '58, died on September 17 in Louisville, Ky. She was 81. After completing her residency in pediatrics and internal medicine, she moved with her then husband, C. Milton Young, MD, to Louisville. They opened their practice in the basement of a house her parents helped them buy. She later worked at the Child Evaluation Center in genetic and developmental disorders, as medical director at a neighborhood health center, and as a medical consultant for the Kentucky Cabinet of Families and Children and Social Security Disabilities. She worked to obtain hospital privileges for African-American physicians and to desegregate hospital rooms. The first African-American woman on the Louisville school board, she presided as chair over the desegregation of the Louisville school system. She is survived by three sons, Milton, Lloyd and Dr. Christopher Young.



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