

WINTER 2017
ISSUE 4



CMS NEWS

The Chicago Medical School Newsletter

CHICAGO CHAMPIONS OF HEALTH AWARDS

Students, physicians, and medical school administrators are honored for their accomplishments.

PAGE 14

HOUSE COUNCIL OPEN MIC NIGHT

Students relieve stress with a night of creativity and performance.

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VETERAN PATIENT PERSPECTIVES

Veterans from the FHCC visit RFU to talk to students about their experiences with healthcare providers.

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Learn Serve Lead 2016

The CMS representatives from the AAMC's Organization of Student Representatives (ORS) share highlights from the annual meeting in Seattle, Washington.

In November, the Association of American Medical Colleges (AAMC) brought medical school faculty, students and healthcare professionals from across the country together in Seattle, Washington, to discuss the future of health care and medical education. For over a century, the AAMC has been dedicated to improving medical care, impacting medical research, and innovating medical education. Many faculty members and student representatives from CMS attended this year's conference. The conference, titled "Lead Serve Learn," addressed a range of diverse topics and included keynote presentations from physician-writer Atul Gawande, MD, MPH; White House historian Doris Kearns Goodwin; and AAMC president and CEO Darrell Kirsch, MD. Topics from the conference included recent innovations in medical education, the role of academic medicine in public health emergencies like the Flint, Michigan, water crisis, and the dynamic political attitudes of our nation.

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Dean's Message

Greetings from Dean James Record

A quarter of CMS students are on the cusp of a great transition on next month's National Residency Matching Program's Match Day. This year six students already have residencies through early matching programs, and we are excited for the rest of our outstanding fourth-year class. It is, however, a time of great uncertainty as well as possibility.

The challenge of residency is to stay focused and dedicated to one's ultimate goals while managing the greater consequences of demanding daily responsibilities. It requires more time and effort but is an exciting challenge that physicians-to-be accept as part of their new healthcare community.

So too has there been a difficult federal transition for many in CMS and around the world. This uncertainty has left many questioning the direction and purpose of our country. Unfortunately, strident positions tilt to inflexibility; inflexibility tilts to violence in thought that tilts to violence in action. This conflict has already been on display at some, but thankfully not all, demonstrations. Expediency must not substitute for measured reason, either in action or reaction.

Our social duty should motivate participation, yet too often in medicine we leave the work to others, choosing complacency over participation in this democratic, federated republic. Such a time demands more of each of us. When belief in our common values and our communal strength is challenged, our response must be to support our values and community. The strength of our conviction will be measured by our response.

I have faith that our community can engage in civil debate, that we can motivate belief into action, and that we will provide support for each other in the process. I am excited about the future for our fourth-year class and our nation. With RFU, CMS stands in support of our students, residents, fellows, faculty and staff. It will require more of us, but we are CMS.

All of us.

CMS proud,

James Record, MD, JD, FACP
Dean, Chicago Medical School

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Medical Humanities Club Mask-Making Clinic

In December, the student-run Medical Humanities Club offered a two day mask-making clinic on campus for all RFU students. The goal of the art therapy event was to promote reflection of one's personal and professional identity and to provide the tools to create an artistic representation of that identity.

The event was part of an effort to promote mental and emotional well-being in students, while providing a creative outlet for the frustration built up during studies. The Medical Humanities Club's mission is to advance medical humanities initiatives at RFU to foster qualities such as empathy, interprofessionalism, communication, and reflection.

The masks created during this workshop are currently on display in the Scholl Gallery, as an exhibit titled "Wearing the Mask: Reflections of Healthcare Providers in Training." ■



Learn Serve Lead 2016

(continued from cover)

The AAMC's Organization for Student Representatives (OSR) – the medical student branch of the AAMC – held round table discussions and collaborative workshops where medical students shared innovative ideas and educational experiences from their respective schools. Acting as liaisons between students and the AAMC, the four Chicago Medical School OSR representatives – one from each CMS class – provided student feedback to the governing bodies of the AAMC. The representatives also talked to students from other medical schools, learning how different schools implement and meet educational requirements and discussing topics such as residency applications, the Match process, and board certification exams.

Relevant Updates from the AAMC

In the midst of the 2017 match season, the AAMC took time to highlight match data from 2016 as well as changes made to the Electronic Residency Application Service (ERAS) software.

The 2016 match was successful, with 93.8 percent of U.S. seniors

matching; historically this rate has been between 92 and 95 percent. Of the 93.8 percent who matched, 79.2 percent matched to one of their top three choices. The National Resident Matching Program (NRMP) published research detailing how applicant qualifications such as standardized test scores, publications, and core clerkship grades can impact match success. Reports with survey information from program directors and applicants can be found on the NRMP website.

ERAS made changes for the 2017 cycle to streamline the application process. The application cycle opened for applicants nine days before programs were able to access and view applications, allowing for more flexibility in the application process and improving issues with site connectivity. Additionally, the "MyERAS Interview Scheduler" was rolled out. This scheduling tool, utilized by some programs, allowed applicants to schedule interviews directly through ERAS. The AAMC will continue to collect data regarding ERAS and other platforms to improve its services. Be on the lookout for 2018 Match updates!

Impressions and Takeaways



"One of the most memorable experiences from this year's annual meeting was being able to hear keynote speaker Atul Gawande's thought-provoking commentary on this past presidential election and his insight on how we can continue to improve our health care system to care for patients across all backgrounds." — Lily Sung, CMS '19



"The most impactful session that I attended was "Guiding Professional Identity Formation: Aligning Strategies with Learner Needs." The session included a presentation on advising, coaching and mentoring and used vignettes for illustration and discussion.
— William Agbor-Baiyee, PhD, Assistant Dean for Educational Research and Student Learning



"The theme of resilience was perfect and timely! I had a wonderful experience, which I enjoyed sharing with CMS colleagues and students. Dr. Atul Gawande's presentation ["Being Mortal: The Changing Role of Medicine and the Clinician"] was a particularly exciting highlight of the meeting." — Barbara Vertel, PhD, Professor, Department of Cell Biology & Anatomy

Wellness Initiatives

The topics of wellness and resilience were also discussed at the conference. According to recent data, rates of burnout remain high for physicians, residents, and medical students. Contributing factors include work overload, work inefficiencies and electronic medical records (EMR), work-life imbalance, limited control, and financial pressures. Steps have been taken at various medical schools, including CMS, to help increase wellness and resilience among medical students. A few examples at CMS are the implementation of the pass/fail grading policy, more support and resources for the USMLE Step 1 Exam, providing therapy dogs, and hosting a series of events, resources and activities during Wellness Week. At Saint Louis University, a successful mental health initiative has been implemented that helps reduce the stigma of seeking mental health counseling. Students receive a monthly email they can reply to if they wish to speak to someone from the counseling center; the signup process is confidential. The university has reported the initiative as being successful. CMS hopes to implement a similar initiative in the near future.

Wellness initiatives stress the importance of caring for oneself before caring for others. There are three components necessary

to do so effectively: Self-Awareness (mindfulness and self-assessment), Self-Care (personal mission, vision, and resilience), and Self-Improvement (SMART goals and personal health improvement). Useful self-assessment tools include Abbreviated Maslach Burnout Inventory, the Holmes and Rahe Stress Scale, and the Professional and Personal Balance Wheel.

If students have questions or would like to discuss wellness and resilience further, please feel free to contact any of the OSR reps listed below.

CMS OSR Representatives

Elizabeth Quincer, M4, Class of 2017

Javier Farinas, M3, Class of 2018

Lily Sung, M2, Class of 2019

Jaleesa Harris, M1, Class of 2020 ■

Front cover image: OSR representatives Jaleesa Harris, CMS '20; Elizabeth Quincer, CMS '17; Javier Farinas, CMS '18; and Lily Sung, CMS '19, at the 2016 AAMC Annual Meeting.



"I appreciated the collaborative nature of session discussions. The lunch hour roundtable session, "Implicit Racial Bias Training of a Medical School Admissions Committee: Lessons Learned and Strategies for the Future," provided a valuable opportunity to connect with colleagues to discuss this important issue." — Karen DiMario, MS, Assistant Dean for Admissions



"My favorite part of the conference was having the opportunity to speak to undergraduate students at the AAMC Minority Student Medical Career Fair. As an underrepresented student, I was happy to encourage these students and provide them with helpful advice for navigating applications and interviews." — Jaleesa Harris, CMS '20



"I learned a lot from Doris Kearns Goodwin's especially prescient address on presidential leadership. Great leaders like Abraham Lincoln listen to and nominate their most disgruntled opponents. I was also pleased to see a large emphasis on diagnostic error and the need for our trainees to continue to complete a differential diagnosis for all patient encounters." — Ariel Katz, MD, Assistant Professor and Education Director, Clinical Skills

“The Whole Patient” Symposium

The interprofessional conference convened experts from various disciplines across the university to discuss patient-centered care that considers the culture, values, and personal experiences of patients suffering from mental illness.

On November 7, more than 100 healthcare professionals attended “The Whole Patient,” an interprofessional continuing education symposium involving all five schools and colleges at RFU. The program presented interprofessional insights and strategies for caring for patients who have been diagnosed with a mental illness — such as elderly cognitive decline, depression, or post-traumatic stress disorder (PTSD) — in addition to having other acute or chronic diseases.

The program included three panel discussions that brought together experts in psychology, psychiatry, medicine, pharmacy, podiatry and nurse anesthesia to discuss patient cases that demonstrate the impact of interprofessional, team-based, patient-centered care.

During the symposium, Nutan Vaidya, MD, professor of psychiatry and behavioral science and Senior Associate Dean for Academic



Learning Environment, and William Rhoades, DO, associate professor and chair of medicine, participated in a panel on elderly cognitive decline. Dr. Vaidya and Dr. Rhoades teamed up with Michael Shuman, PharmD, assistant professor of pharmacy practice at RFU's College of Pharmacy, and Daniel Mrocze, PhD, professor of medical social sciences at Northwestern University Feinberg School of Medicine, to discuss an interprofessional approach to managing this condition. ■

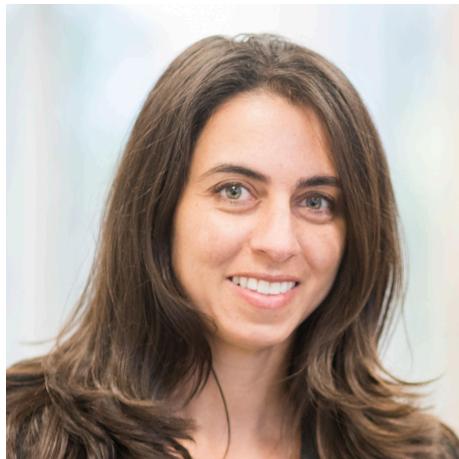
From left to right: Dr. Michael Shuman, from the College of Pharmacy; Dr. Daniel Mrocze, from Northwestern University Feinberg School of Medicine; and Dr. Nutan Vaidya and Dr. William Rhoades, both from Chicago Medical School, during the Elderly Cognitive Decline panel.



2016-2017 Franklin Fellows



Estefan Michael Beltran



Shelby Crawford



Kenneth Furlough



Congratulations to this year's RFU Franklin Fellows!

The twelve students selected for this year's Franklin Fellowship Program include six CMS students: **Estefan Michael Beltran**, CMS '20; **Shelby Crawford**, CMS '19; **Kenneth Furlough**, CMS '20; **Michelle Lim**, CMS '20; **Molly Steelman**, CMS '20; and **Kelsi Swanson**, CMS '18. Over the next year, each student will develop and implement a service project to enhance the health and well-being of populations in need in the local community.

The Franklin Fellowship, established through a gift by the Franklin family in 2012, selects students who are committed to interprofessional service and leadership. ■



Michelle Lim



Molly Steelman



Kelsi Swanson

Announcements from the Office of Student Affairs and Education (SAE)

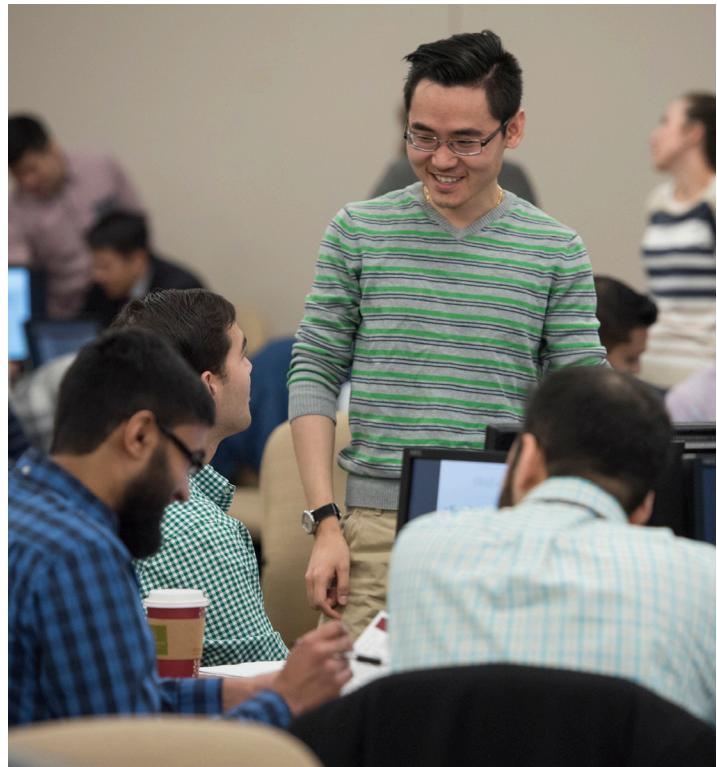
The new M1 and M2 Longitudinal Orientation Series has continued, with December sessions focused on student progression policies, grading, distinction and awards, and professionalism.

The second M3 Career Day of 2016-17 was held on January 10, with continued sessions on senior electives, specialties, and the new curriculum. The next Career Day will take place on March 21.

CMS 100% Early Match Rate

We are kicking off the 2017 Match with a 100% early match rate! Congratulations to the six early match students!

- 1/1 matched Radiology through the 2017 Military Match (Army): **Illsoop Yoon**
- 4/4 matched Ophthalmology through the 2017 San Francisco (SF) Match: **Kimberly Blankshain, Sarah Carballo, Meghan Hermanson** and **Jamie Keen**
- 1/1 matched Urology through the 2017 Urology Residency Match: **Shoaib Salfiullah** ■



Above: M3s back on campus for Career Day catch up with friends.
Below: The CMS Class of 2018.





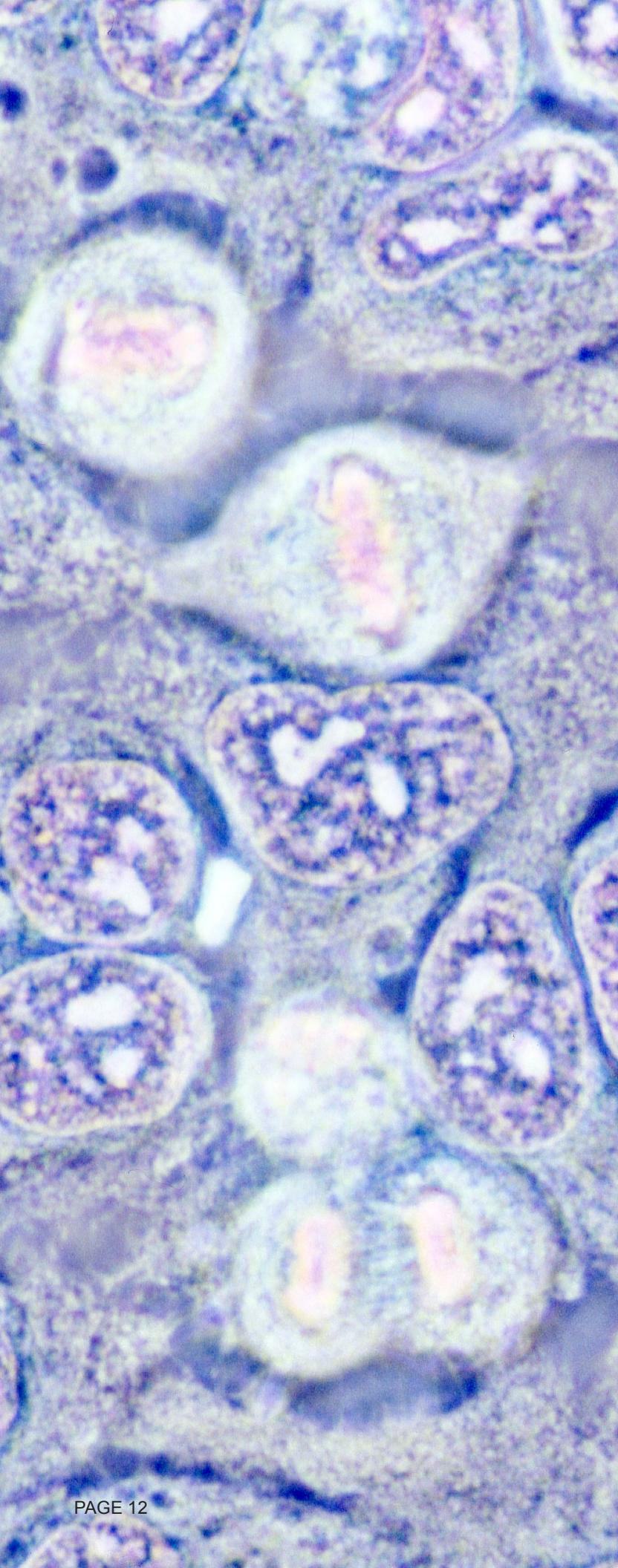
CMS is excited to announce our
**2017 Match
Celebration**

Friday, March 17th

11:00 a.m. in the Centennial Room

Watch the livestream from www.rosalindfranklin.edu





Medical Grand Rounds

The Department of Clinical Sciences hosts monthly Grand Rounds, where physicians are invited to give lectures on various topics that address the needs of clinicians and basic science faculty in meeting their patient care and teaching mission.

Ethics and the Henrietta Lacks Case

On October 26, Roland Matthews, MD, chair of the Department of Obstetrics and Gynecology at Morehouse School of Medicine, and Stephen Olufemi Sodeke, PhD, MA, professor of allied health at Tuskegee University National Center for Bioethics in Research and Health Care, visited the university to give a lecture titled "Ethics of 'Taking and Using' Clinical Specimen for Research: The Henrietta Lacks Case: What Should We Do?" The lecture explored the ethical questions raised by the case of Henrietta Lacks, an African-American woman whose cells were harvested from a cancerous tumor during a biopsy in the 1950s and used for research without her knowledge or consent. The cells, known as HeLa cells, have been used to research vaccines, cancer, AIDS, cloning, gene mapping, and other areas of biomedical research.



The Role of Diet in Managing Chronic Disease

On November 9, Terry Mason, MD, FACS, chief operating officer in the Cook County Department of Public Health, gave a lecture titled "Food: the Cause and Cure for Chronic Disease." Dr. Mason discussed the role of food in chronic disease, explaining that a poor diet is a major contributor to diseases like diabetes, cancer, coronary heart disease, and stroke. Making improvements in one's diet can play a role in the prevention or treatment of these diseases.

Health Care and Technology

On December 14, Thomas A. Mason, MD, FACP, gave a presentation titled "Improving Health and Care Through Information and Technology." Dr. Mason, who is the chief medical officer in the Office of the National Coordinator for Health Information Technology (ONC), part of the U.S. Department of Health and Human Services (HHS), discussed the federal role of the ONC in the development and adoption of health policies. He described how the ONC uses federal resources to encourage the nationwide adoption of health information technology and exchange of electronic health information in order to improve health and quality of care.



Art Observation and Healthcare Education

On January 18, the Department of Clinical Sciences and the Department of Medical Education, Innovation and Humanities (MEIH) worked together to present a Grand Rounds that combined humanities principles with the goals of healthcare education. **Michael Fennewald**, PhD, associate professor of microbiology and immunology, gave a lecture titled "Formal Art Observation Training & Healthcare Education," in which he described how art observation training can be useful while performing history and physical exams. During these exams, clinicians have to make subtle observations and take notice of different points of view — techniques that are also used in the formal observation of art. ■

Opposite page: HeLa cells being divided in culture. HeLa cells have been so valuable to researchers because they can divide an unlimited number of times without dying. Center: Dr. Terry Mason talks to students before his presentation. Below: Dr. Thomas Mason with K. Michael Welch, MB, ChB, FRCP, president and CEO of RFU.



2016 Chicago Champions of Health Awards

Medical students, physicians, and community leaders from the Chicago area gather to celebrate diversity in the medical field and honor leadership and service.



On December 6, CMS students, faculty, and administrators attended the National Medical Fellowships (NMF) Chicago Champions of Health Awards. The annual event brings together distinguished physicians, leaders in the healthcare industry, and deans and diversity officers from Chicago area medical schools to support NMF's scholarship programs and mission. NMF is a nonprofit organization dedicated to increasing the number of underrepresented minority physicians and other healthcare professionals in order to improve access to quality healthcare in medically underserved communities.

During the first part of the program, students listened to presentations given by members of the medical and philanthropic communities, including **Mildred M.G. Olivier**, MD '88, professor of ophthalmology and Assistant Dean for Diversity and Learning Environment. Dr. Olivier gave a presentation called "Pathways to Medicine," in which she shared her personal journey to becoming a doctor. She also discussed the importance of diversity in medicine, her commitment to working in medically

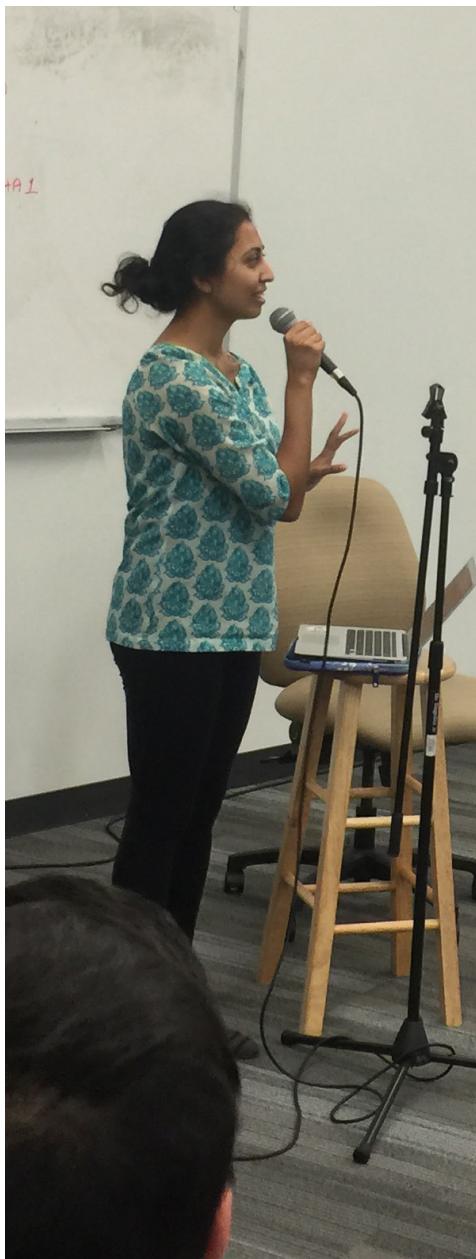
underserved areas, and the need for physicians to be leaders in their communities.

During the awards dinner and ceremony, medical students and residents were recognized for their service and leadership. **Mitra Kohan**, CMS '18, was named a Service Scholar in the 2016 Dr. David Monash/Harry Lloyd and Elizabeth Pawlette Medical Student Scholarship Program, a service-learning program designed to increase the number of qualified medical providers committed to improving access to quality healthcare in medically underserved communities in Chicago. Service Scholars are selected in recognition of outstanding community service, leadership, and commitment to the healthcare needs of Chicago citizens. During the course of their participation in the program, scholars conduct a community health project at a site of their choice. This service-learning program was developed in partnership with the Chicago Community Trust, whose mission is to improve the lives of the people in metropolitan Chicago through a commitment to diversity. ■



Opposite page: Chicago Medical School students, faculty, and administrators at the NMF awards ceremony. Left: Mitra Kohan, CMS '18 (center), receiving her scholarship certificate with Esther Dyer, MLS, DLS, president and CEO of National Medical Fellowships, and Mildred M.G. Olivier, MD '88, Assistant Dean for Diversity and Learning Environment. Below: Ms. Dyer introduces Dr. Olivier, who discussed her pathway to medicine.





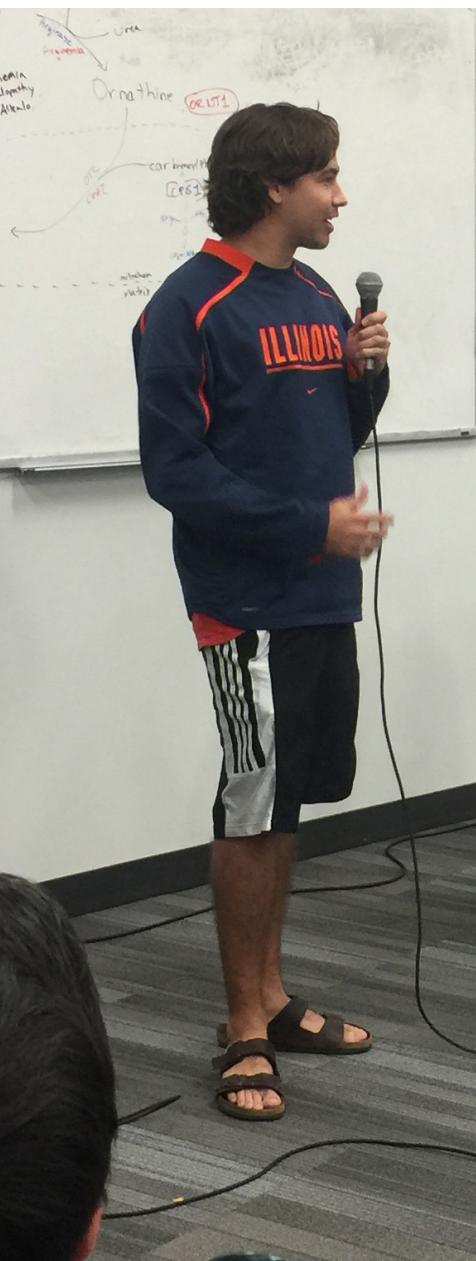
House Council Open Mic Night

On September 28, CMS students attended the school's first Open Mic Night, organized by the House Council Wellness Committee. The Wellness Committee, which holds several wellness events each year, is dedicated to promoting holistic wellness – including physical and emotional aspects – among the student body.

One of the chief goals of the Wellness Committee is fostering a sense of balance in students' lives. Due to the stress and rigors of medical school, it is easy for students to get wrapped up in schoolwork and studying, neglecting other aspects of their lives.

Wellness events like Open Mic Night provide a much-needed break from academic pursuits giving students an outlet to relieve stress through creative performance. During this event, students gathered to perform and to listen to their classmates' performances. Students sang, played instruments, read poetry, and performed stand-up comedy acts.

The event was a success, with more than 50 students attending. The Wellness Committee is planning to make Open Mic Night an annual wellness event. ■



Left: Amanda Allen, CMS '19, Emanuel House M2 Wellness Representative and chair of the Wellness Committee. Above, from left to right: Pratyusha Banik, CMS '19, Lipshultz House M2 Wellness Representative; Cherilyn Mae Acorda, CMS '20; Nathaniel Conner, CMS '20; David Alter, CMS '19; Amanda Allen and Freya Shroff, CMS '20, Portes House M2 Wellness Representative; Collin Hanson, CMS '19, and Aaron Nehamkin, CMS '19.

Emanuel House Peer Mentor Gift Exchange

On December 14, first- and second-year students in Emanuel House held a Peer Mentor Gift Exchange, giving M1s and M2s an opportunity to show appreciation for their peer mentor, and giving students a chance to connect and socialize before leaving for winter break.

As part of the House and Learning Community Program, M1s are paired with M2s from the same house. The peer mentoring program encourages M2s, who just completed their first year of medical school, to give advice and share experiences to help the M1s adjust to medical school.

Students who participated exchanged gifts during the social held

the week before winter break. Those who did not participate in the exchange were encouraged to attend the social as well. Over 50 Emanuel House students participated, taking a break from studying in order to sip hot chocolate, grab a snack and catch up with their fellow housemates. ■

Below: Neil Patel, Chelsea Karson, and Rebecca Fenelon, all from the Class of 2020, display their handmade holiday cards. Opposite page, clockwise from top left: Zara Quader, CMS '20, and Noor Siddiqi, CMS '20. Nicole Chin, CMS '20, Katrina Ang, CMS '20, and Sophia Lam CMS '19. Peer mentor pair Chineze Ebo, CMS '19, and Anton Garazha, CMS '20. Peer mentor pair Joseph Lyons, CMS '19, and David Wade, CMS '20.





Summer Research Poster Session

CMS students, along with their peers from the College of Pharmacy and the Scholl College of Podiatric Medicine, presented research they conducted with mentors during the summer.

On October 19, students from CMS, SCPM, and COP who participated in a summer research program presented their findings to professors and peers at the annual Summer Research Poster Session. The top presenters from each school won a certificate and the opportunity to travel to Omaha, Nebraska, to present at the 2017 National Student Research Forum. ■

Congratulations to the CMS winners:

1st Place: Salvatore Aiello, CMS '20, Michelle Perez, CMS '19, Chad Cogan, CMS '19, and Eduardo Mejia, CMS '19

"AMSA to Guide Shock Delivery in a Swine Model of Ventricular Fibrillation and Closed-Chest Resuscitation"

Mentor: Dr. Raul Gazmuri

2nd Place: Donovan Hui, CMS '19

"Does NHE-1 Inhibition During Cardiac Resuscitation Neutralize Adverse Myocardial Effects of High Dose Epinephrine?"

Mentor: Dr. Raul Gazmuri



Clockwise from top left: Morgan Gilmour, CMS '19, presents a poster titled "Comparison of Non-Chemical Techniques to Reduce Agitation" to Lecia Slabaugh, MD '81, associate professor of surgery and Assistant Dean for Faculty and Student Talent Enhancement. Hiba Anaqrah, CMS '19, and Stephanie Miles, CMS '19, present their poster, titled "Study of the Relationship of Undiagnosed Mental Illness to Violence in an Urban Emergency Department." Kristy Nguyen, CMS '19, presents a poster titled "Difference in Intraocular Pressure Following Involuntary Switch from Bimatoprost 0.03% to Bimatoprost 0.01% in Glaucoma Patients."



SAVE THE DATE!

2017 CMS Faculty and Friends Recognition Dinner
Thursday, May 18, 2017
6:30 p.m.
Hilton Chicago/Northbrook

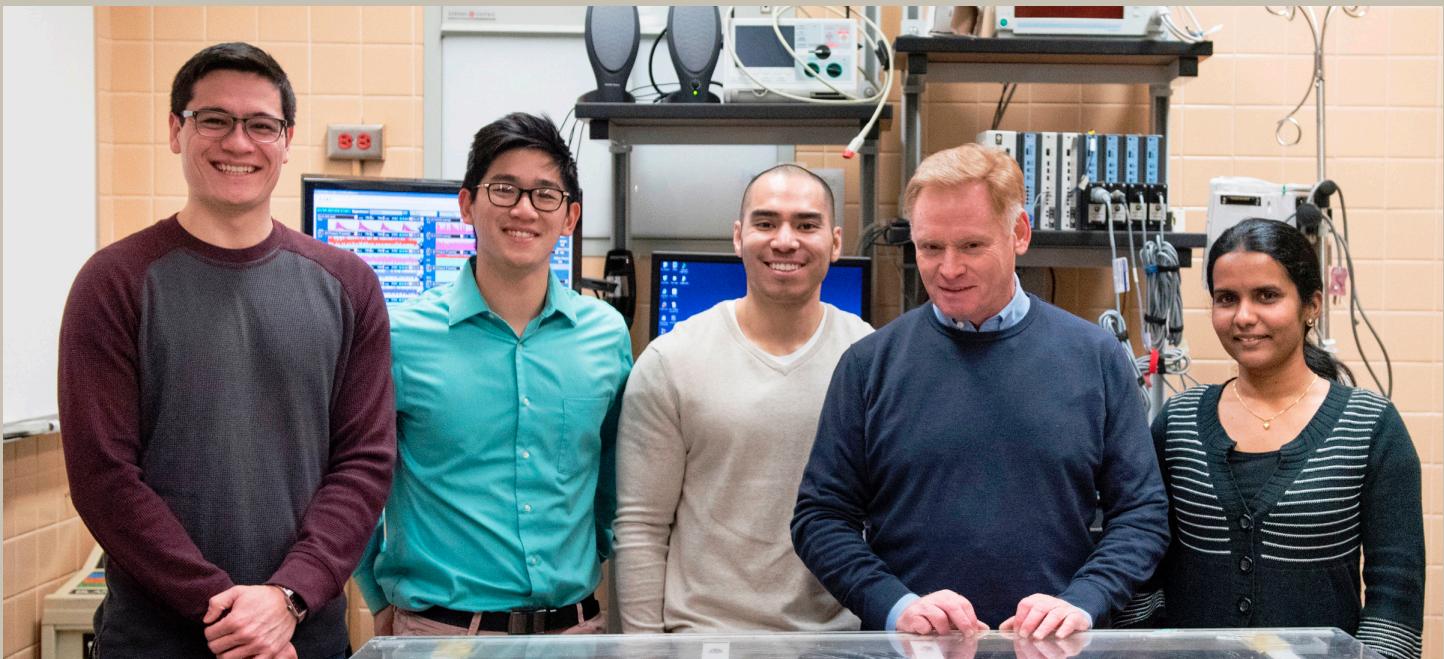
“Knowing yourself is the beginning of all wisdom.”
- Aristotle

At the **Student Counseling Service**, we are prepared to assess the nature of your presenting concerns and recommend specific ways to meet your goals. We aim to help you live a happier, healthier and more productive life through bringing awareness and intentionality to your choices.

Appointments can be made by calling 847-578-8723.

RESEARCH SPOTLIGHT: Resuscitation Institute

The research team at the Resuscitation Institute achieved many accomplishments in 2016, including publications, presentations, and two awards at the Summer Research Poster Session.



Members of the Resuscitation Institute Research Team. From left to right: Kristofer Korth; Donovan Hui, CMS '19; Alvin Baetiong; Raúl J. Gazmuri MD, PhD '94, FCCM; Jeejabai Radhakrishnan, PhD.

Published Peer-Reviewed Articles

Raúl J. Gazmuri, MD, PhD '94, FCCM, professor of medicine and director of the Resuscitation Institute, co-authored a paper titled "Cytochrome c in Patients with Septic Shock," published in the journal *Shock* (2016;45:512-7).

Dr. Gazmuri; Alvin Baetiong, MS, research technician; and **Jeejabai Radhakrishnan, PhD**, assistant professor of medicine, co-authored a paper titled "Ventricular Fibrillation Waveform Changes During Controlled Coronary Perfusion using Extracorporeal Circulation in a Swine Model," published in the August issue of *PLoS One* (2016;11:e0161166).

Iyad Ayoub, PhD '08, MS '13, research instructor of medicine; **Dr. Radhakrishnan**; and **Dr. Gazmuri** published a paper titled "In Vivo Opening of the Mitochondrial Permeability Transition Pore in a Rat Model of Ventricular Fibrillation and Closed-Chest Resuscitation" in the *American Journal of Translational Research* (In Press).

Lorissa Lamoureux, MS, research assistant; **Dr. Radhakrishnan**; and **Dr. Gazmuri** co-authored a paper titled "Adverse Post-Resuscitation Myocardial Effects Elicited by

Buffer-Induced Alkalemia Ameliorated by NHE-1 Inhibition in a Rat Model of Ventricular Fibrillation," published in the *Journal of Applied Physiology* (2016;121:1160-1168).

Dr. Gazmuri; Kasen Whitehouse, Kruti Shah, CMS '17; Karla Whittinghill, PhD; Mr. Baetiong, MS; and Dr. Radhakrishnan published an article titled "Early and Sustained Vasopressin Infusion Augments the Hemodynamic Efficacy of Restrictive Fluid Resuscitation and Improves Survival in a Liver Laceration Model of Hemorrhagic Shock" in the *Journal of Trauma and Acute Care Surgery* (2017;82:317-327).

Published Book Chapters

Dr. Gazmuri co-authored a chapter titled "Ventricular Arrhythmias" in the *Textbook of Critical Care* (7th Edition. Elsevier Inc., 2017:pp.541-549). He was also the sole author of two other chapters in the book: "Cardioversion and Defibrillation" and "Transvenous and Transcutaneoaus Cardiac Pacing."

Presentations

Dr. Gazmuri presented a poster titled "Early and Sustained Vasopressin Infusion Augments the Hemodynamic Efficacy of

Restrictive Fluid Resuscitation and Improves Survival in a Liver Laceration Model of Hemorrhagic Shock" at the 2016 Military Health System Research Symposium, held August 15-18. The presentation featured preclinical work conducted in a swine model of hemorrhagic shock at the Resuscitation Institute.

On September 16, a team composed of members from the Resuscitation Institute and DePaul University presented their pilot funded work at the Fourth Annual DePaul-RFUMS Research Retreat. **Dr. Radhakrishnan; Eric Walters**, PhD, professor of biochemistry and molecular biology at CMS and Associate Dean of Research at the College of Pharmacy; and **Dr. Gazmuri**, along with Dr. Lihua Jin and Dr. Talitha Rajah from DePaul University, presented on the topic "Molecular Mechanisms by which Cyclophilin-D Modulates Transcription of Mitochondrial Genes." The annual research retreat, where research groups present on collaborative work, is part of the DePaul-RFUMS Alliance for Health Sciences, formed in 2012.

Students working at the Resuscitation Institute obtained first and second place at the RFU 2016 Summer Research Poster Session on October 19 (see page 20). **Salvatore Aiello**, CMS '20; **Michelle Perez**, CMS '19; **Chad Cogan**, CMS '19; and **Eduardo Mejia**, CMS '19, won first place for their presentation titled "AMSA to Guide Shock Delivery in a Swine Model of Ventricular Fibrillation and Closed-Chest Resuscitation." **Donovan Hui**, CMS '19, won second place for his presentation titled "Does NHE-1 Inhibition during Cardiac Resuscitation Neutralize Adverse Myocardial

Effects of High-Dose Epinephrine?"

Teams from the Resuscitation Institute gave five presentations at the Society of Critical Care Medicine's (SCCM) 46th Critical Care Congress in Honolulu, Hawaii, held January 20-25:

Dr. Radhakrishnan and Dr. Gazmuri presented "Cyclosporine A May Disrupt Mitochondrial Gene Expression in Human Left Ventricular Cardiomyocytes."

Ms. Lamoureux, Dr. Radhakrishnan, and Dr. Gazmuri presented "NHE-1 Inhibition Lessens Adverse Post-Resuscitation Myocardial Effects Caused by Severe Alkalemia."

Dr. Radhakrishnan; Sanja Nikolich, MD, assistant professor of surgery; **Manoj Shah**, MD, associate professor of surgery; and **Dr. Gazmuri** presented "Plasma Cytochrome c in Trauma Victims May Inversely Correlate with the Probability of Survival."

Vina Chhaya, CMS '18, and **Dr. Gazmuri** presented "Score Derived from Clinical Data at Hospital Admission Predicts Rapid Response System Activation."

Dr. Gazmuri; Rom Stevens, MD, professor of medicine; and **Dimple J. Patel**, PharmD, BCPS, presented "Massive Pulmonary Embolism Triad: Shock, Right Ventricular Dilation, and Large $\text{PaCO}_2 - \text{P}_{\text{ET}}\text{CO}_2$ Gradient."

Below: **Chad Cogan**, CMS '19; **Robert Marr**, PhD, Assistant Dean for Research; **Salvatore Aiello**, CMS '20; and **Michelle Perez**, CMS '19. **Chad Cogan**, **Salvatore Aiello**, **Michelle Perez**, and **Eduardo Mejia** (not pictured) won first place at the 2016 Summer Research Poster Session for their work performed at the Resuscitation Institute under the mentorship of **Dr. Gazmuri**. Right: **Donovan Hui**, CMS '19, was awarded second place for his work at the Resuscitation Institute, under the mentorship of **Dr. Gazmuri**.



Funded Research Projects

Title: "AMSA to Guide Shock Delivery in a Swine Model of Ventricular Fibrillation and Closed Chest Resuscitation" (collaboration with Zoll Medical Corporation)

Sponsor: Zoll Medical Corporation

Role: **Dr. Gazmuri**, Principal Investigator

Title: "Prevention of Oxidative Injury to the Neonatal Heart"

Source: James R. & Helen D. Russell Institute for Research & Innovation - Small Research Grants Program

Role: **Dr. Gazmuri**, Co-Investigator (Co-Principal Investigators: Ramesh Vazzalwar, MD, MRCP (UK) and Darryl R. Peterson, PhD)

Title: Molecular Mechanisms by which Cyclophilin-D Modulates Transcription of Mitochondrial Genes" (competitive renewal)

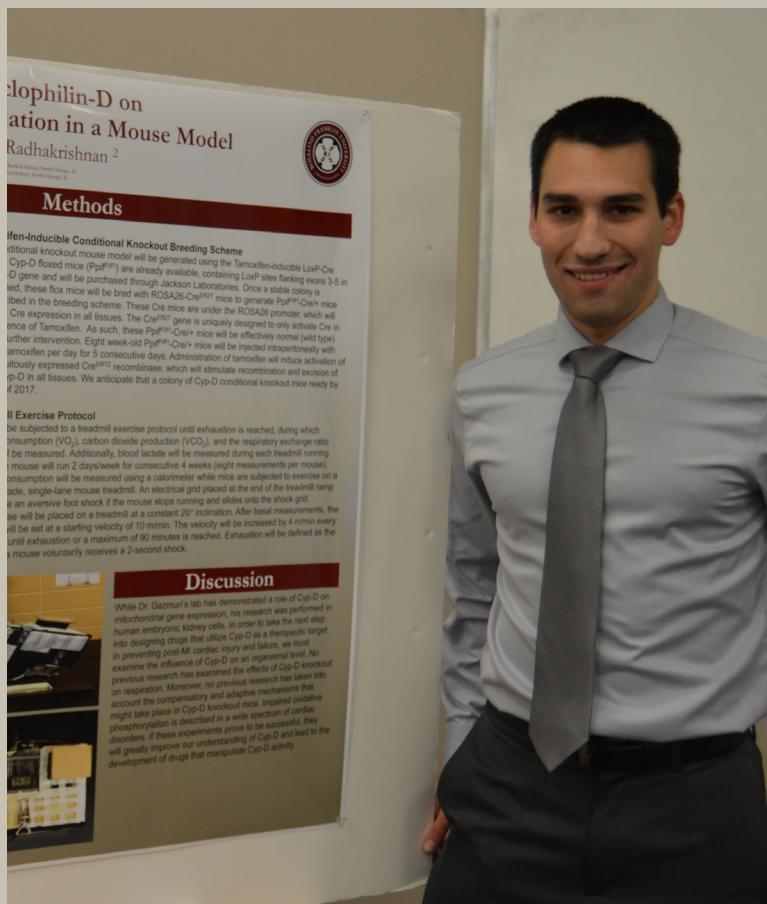
Source: DePaul-Rosalind Franklin University Collaborative Pilot Research Grant Program

Role: **Dr. Gazmuri**, Co-Principal Investigator

Title: "Unrestricted Funds for Cardiac Research"

Donor: Monica Ply

Role: **Dr. Gazmuri**, Principal Investigator



Additional Activities

Dr. Gazmuri continues to serve as member of the organizing committee for the Resuscitation Science Symposium (ReSS) of the American Heart Association. The ReSS is the largest international conference on resuscitation research.

Dr. Gazmuri was invited by the American Heart Association Program Planning Committee for the ReSS to co-moderate the abstract presentation session "The Mitochondrion and Resuscitation" on November 14 at the Ernest M. Morial Convention Center, New Orleans, Louisiana.

Dr. Gazmuri is serving as member of the Basic Life Support (BLS) committee of the International Liaison Committee on Resuscitation (ILCOR), charged with developing guidelines for cardiopulmonary resuscitation.

Dr. Gazmuri was invited to speak at the 7th Anaesthesia and Critical Care Conference, held December 8-10, in Kuwait City, Kuwait, where he gave the following lectures: (1) "In-Hospital Cardiac Arrest: A Preventable Event?" (2) "Assessment and Management of Acute Circulatory Shock in the Intensive Care Unit," and (3) "ACLS Guidelines Update." ■

Left: Harrison Kaufman, CMS '19, presenting his poster entitled "Examining the Role of Cyclophilin-D on Mitochondrial Oxidative Phosphorylation in a Mouse Model" at the 2016 Summer Research Poster Session. Below: Dr. Raúl J. Gazmuri, Alvin Baetiong, and Dr. Jeeja Radhakrishnan discussing the results of experiments determining oxygen consumption in cyclophilin-D knock-out mice during treadmill running.



2016 LMSA National Latino Policy Summit

Four CMS students traveled to Washington, DC, to advocate for healthcare policy changes to support underserved Latino communities.

In October, four members of the CMS chapter of the Latino Medical Student Association (LMSA) went to Washington, DC, to attend the 2016 LMSA National Latino Policy Summit. The three-day conference was developed to provide medical students with the tools needed to become involved in health policy processes to address and improve health disparities facing the Latino community. **Melissa Mariscal**, CMS '19; **Rachel Bruckman**, CMS '19; **Diana Trew**, CMS '19; and **Andre Quihuis**, CMS '20, recipients of the LMSA National Travel Award, had the opportunity to attend an array of advocacy events, presentations and breakout sessions, where they engaged in conversations about civil discourse and the importance of future physician voices in transforming the healthcare landscape.

In addition to attending the sessions, the students were one of the groups selected to meet with legislative aids for the Representatives of California, New York, and Texas, as well as the legislative aid of Illinois Senator Dick Durbin. The meeting gave the students the opportunity to advocate for healthcare policy changes to support Latino communities, which are often medically underserved and are disproportionately affected by chronic diseases such as diabetes and obesity. During this experience, the students gained leadership skills and training in health policy development, which will be vital to improving the healthcare landscape for Latinos. ■

From left to right: Melissa Mariscal, Diana Trew, Rachel Bruckman, and Andre Quihuis at the policy summit.



About LMSA

The Latino Medical Student Association is a national organization with over 10,000 members created to unite Latino medical students via education and mentorship. At CMS, LMSA is committed to cultural education, empowerment and mentorship for Latino students and all those interested in serving the Latino community. Members of the organization strive to highlight important healthcare issues that affect the Latino community. Lectures sponsored by LMSA have included talks from the Sinai Urban Health Institute on the healthcare disparity of breast cancer among Latino sub-groups, and research by Latino physicians examining the asthma disparity among Latinos.

The organization also designs cultural experiences for other CMS students who are interested in learning more about Latino culture. These events, which aim to engage all students, have included regular Spanish Immersion Lunches and professional Salsa lessons. LMSA also partnered with another student organization, Salud Ofrecida a Latinos (SOL), to organize a Dia de los Muertos celebration.

LMSA students have begun mentoring Lake County pre-med students. They also participate in outreach to local high schools to encourage and empower underrepresented students to pursue careers in health care.

Veteran Patient Perspectives

Veterans from the Lovell Federal Health Care Center (FHCC) shared their experiences as patients and discussed how they want to be treated by healthcare providers.

Second-year students had the opportunity to get a new outlook on health care during a December 14 "Veteran Patient Perspectives" panel. This event is part of the Clinical Reflections II course. The panel was created to give aspiring doctors insight into the experiences and medical challenges of veterans so they can be better prepared to care for them in their careers.

About 20 veterans volunteered to participate. The veterans were divided into four panels, and a panel was assigned to each M2 learning community. The panels comprised veterans from different wars, including World War II, the Vietnam War, and the Iraq War. The veterans shared their perspectives on a variety of topics, such as medical challenges faced after being released from active duty, barriers to health care, and the non-medical challenges that can have an impact on veterans' experiences with healthcare providers.

The veterans also shared personal experiences they had while seeking health care, including positive and negative interactions with doctors. They reflected on things doctors had said to make them feel safe, respected and valued, as well as things they wished doctors had said or done differently. Some of the

veterans talked about their struggles with PTSD, trust issues, and depression, and how those problems affected their relationships with healthcare providers.

The veterans expounded on their mental and emotional needs and suggested steps physicians can take to meet those needs. For example, many veterans emphasized the importance of being viewed as an individual. Each veteran has had different wartime experiences and different reactions to those experiences, so physicians must know that what works for one veteran might not work for another. The veterans also highlighted the importance of receiving empathy, support, and respect from their physicians.

This Clinical Reflections session was a success for the veterans and the students, and the event will likely be repeated in coming years. The veterans enjoyed the opportunity to talk about their individual experiences and give advice to future doctors, and students left the session with an enhanced understanding of veteran perspectives, making them better equipped to address the specific needs of the veteran community. ■





Above, clockwise from top left: Beverly McCardell, Learning Communities Coordinator, during the veterans briefing prior to the panels. William Agbor-Baiye, PhD, Assistant Dean for Educational Research and Student Learning, during the veterans briefing. Katharine Wolf (left), CMS '19, addresses a question to the veterans in the Senno Learning Community panel. Collin Hanson, CMS '19, with Vietnam veteran Dennis Berg. Below: Charles Nozicka, DO, clinical professor of emergency medicine, with his learning community during the panel.



STUDENT SPOTLIGHT: South Asian Medical Association

This student organization increases awareness of South Asian cultures, in part by organizing one of the university's largest annual events: the Diwali Show.

Founded in 1995, the South Asian Medical Association (SAMA) is one of the oldest student organizations at RFUMS. The organization's mission is to foster a better appreciation of South Asian culture as well as increase cultural awareness and understanding. SAMA holds several educational and entertaining events throughout the year for students to participate in and learn about South Asian culture. SAMA's largest event is the annual Diwali Show, held in November, where students participate in South Asian musical, dance, and acting performances. Another popular event is Holi, a springtime celebration of the festival of colors. SAMA also puts together a philanthropy event to raise awareness of social and health issues pertinent to South Asian cultures.



The SAMA Executive Board: Zenat Hussaini, SCPM '19; Krishna Tikiwala, SCPM '19; Pratyusha Banik, CMS '19; Sachini Ranasinghe, CMS '19; Eshita Shah, CMS '19; and Neerav Kothari, CMS '20.

The SAMA Board. Front row: Rachna Bangdiwala, SCPM '19; Mansi Katkar, CMS '20; Pavneet Dhillon, COP '19; Julie Patel, CHP '17; Pratyusha Banik, CMS '19; Sachini Ranasinghe, CMS '19; Eshita Shah, CMS '20; Dhruven Mehta, CHP '17; and Nevil Parikh, CHP '17. Back row: Mahta Amidi, CMS '20; Zenat Hussaini, SCPM '19; Ruchi Ram, SCPM '19; Sharvil Boda, COP '19; Krishna Tikiwala, SCPM '19; Adnan Ahmed, CMS '20; Neerav Kothari, CMS '20; and Vishal Vazirani, CHP '17. Not pictured: Hiba Khan, CMS '20; Roha Shaikh, CMS '20; and Jay Shah, CHP '17.



2016 Diwali Cultural Show



Each November, SAMA hosts the Diwali cultural show to celebrate a variety of South Asian cultures. The show usually includes dancing, singing, instrumental performances, comedy skits, and student and faculty fashion shows.

The theme of this year's show was "Dostana: The One with the Indian Wedding," a parody of the sitcom *Friends*. (*Dostana* is Hindi for "friendship.") Performances included a Bollywood dance, Raas (Indian folk dance), a musical performance with alternating verses in English and Hindi, and skits referencing iconic moments from *Friends* episodes. ■



1. Jing Wang, CMS '19. 2. Arjun Bajaj, CMS '20, and Pratyusha Banik, CMS '19 (center) perform a duet, with musical accompaniment by Collin Hanson, CMS '19 (left) and Evan Jungbauer, CMS '19 (right). 3. The Pacemakers, the university's student acapella group, performs during the Diwali show. From left to right: Sayli Sant, CMS '20; Alyssa Bolter, CHP '18; Briona Perry, COP '19; Lindsey Hendricks, CMS '20; Arjun Bajaj, CMS '20; Stephanie Ifunanya Okoye, COP '18; Jonathan Friedman, SCPM '20; and Doug Klein, CMS '20.

Alumni News & Events

Recognized for Outstanding Service



In October, **Frank G. Opelka**, MD '81, FACS, received the 2016 Distinguished Service Award from the American College of Surgeons (ACS). The award is the highest honor bestowed by the ACS and is given to a fellow who has a record of exceptional service and support to the ACS, as well as outstanding accomplishments in the field of surgery.

In his role as Medical Director of Quality and Health Policy in the ACS Division of Advocacy and Health Policy in Washington, DC, Dr. Opelka has worked with federal agencies such as the Centers for Medicare & Medicaid Services, the Agency for Healthcare Research and Quality, the Office of the National Coordinator for Health Information Technology, the Food and Drug Administration (FDA), and the Patient-Centered Outcomes Research Institute in order to help the ACS promote optimal surgical care through health policy development. He

was also a key member of the National Quality Forum's Measures Application Partnership established under the Affordable Care Act, and he is founder and chair of the Surgical Quality Alliance in Washington, DC.

Recognized for Research

Shoaib Safiullah, MD '16, works as a research fellow in the Joseph & Carol Reich Leadership and Innovation Fellowship Training (LIFT) program at the University of California, Irvine, where he participates in research projects in the field of urology. During the year-long fellowship, he is mentored by Ralph Clayman, MD, and Jaime Landman, MD, both of whom are internationally recognized experts in the field of urology.

Dr. Safiullah recently presented his work at the annual World Congress of Endourology conference in Cape Town, South Africa. His presentation, "Skin-to-Tumor Distance as a Predictor of Tumor Recurrence After Percutaneous Cryoablation of T1a Renal Cell Carcinoma," discussed how he and his fellow researchers measured the distance from the skin to the center of the tumor in 86 patients who had undergone the procedure over a ten-year period (2005-2015). They found that patients who

had a tumor recurrence were significantly younger and had a significantly greater skin-to-tumor distance. In addition, the research team discovered a fourfold increased risk of tumor recurrence with a skin-to-tumor distance greater than ten centimeters.

During his fellowship, Dr. Safiullah also co-authored several publications: "Prevalence of Protective Shielding Utilization for Radiation Dose Reduction in Adult Patients Undergoing Computed Tomography," "Impact of Regional Hypothermia on Urinary Continence During Robot-Assisted Radical Prostatectomy: A Randomized Control Trial," and "Evaluation of Urology Residency Training and Perceived Resident Competencies in the United States." He has written several pieces for UroToday.com as a medical writer.

Dr. Safiullah is currently working on developing an innovative virtual reality



solution for preoperative planning for patients with kidney cancer and staghorn renal stones. He expects to present his ongoing research at the American Urological Association's annual conference in May 2017.

Dr. Safiullah first became interested in urologic research when he was a student at CMS, during his third-year surgery clerkship.

Alumni News & Events

Alumni on Campus

Several CMS alumni have visited to talk with students about their specialties and personal experiences in medicine.

On October 19, **Jordan Tasse**, MD '07, an interventional radiologist at Rush Medical Center, spoke with CMS students about the radiology residency program. Dr. Tasse talked about the field of interventional radiology and changes in the residency program.

On December 7, **Kerstin Stenson**, MD '88, attended an event hosted by the university's ENT Interest Group. Dr. Stenson talked about her journey to become an otolaryngologist.

On December 7, **Peter Orris**, MD '75, a CMS Distinguished Alumnus, professor and chief of occupational and environmental medicine at the University of Illinois Hospital and Health Sciences System, gave a presentation titled "Climate Change and Human Health: What Impact Can Internists and Other Healthcare Providers Have?" Dr. Orris has served as an advisor to the World Health Organization (WHO), Greenpeace U.S.A.'s Toxics Campaign, the Illinois Department of Public Health, and the Environmental Protection Agency (EPA) Region V.

On December 9, **John S. Weitzner**, MD '75, FACOG, practicing obstetrician/gynecologist and founder and president of University Obstetrics & Gynecology, spoke as part of Reproductive Health Awareness Week. This event was organized by the Women's Health Interest Group (WHIG).



Above: Peter Orris, MD '75, with students at the 2016 Alpha Omega Alpha ceremony. Below: Jordan Tasse, MD '07, talks to students about interventional radiology.



School & Department News

Awards & Accomplishments



Meredith L. Baker-Rush, PhD, CCC-SLP/L, clinical education specialist for neurology and psychiatry in the Clinical Sciences Department, recently completed her PhD degree in psychology.

Emily Marré, CMS '19, was awarded a 2016 Tylenol Future Cares Scholarship in the amount of \$10,000. The Future Care Scholars are selected based on academic excellence, exemplary leadership, community involvement, and dedication to a career of caring for others.

Ms. Marré has had experience bringing health care to the disenfranchised, including working in a tribal clinic in Wisconsin and an HIV/AIDS clinic in rural India.



Chicago Medical School was recently awarded **Accreditation with Commendation** by the ACCME, the school's Continuing Medical Education (CME) accreditation body. This means that CMS will have ACCME accreditation for six years, instead of the regular

four years. The ACCME's decision to grant Accreditation with Commendation was based on a review of CMS's self-study report, evidence of performance-in-practice, and the accreditation interview. Congratulations to the CMS Office of Continuing Medical Education and everyone who worked toward this goal!

"Accreditation with Commendation is awarded to providers that demonstrate compliance in all criteria and the accreditation policies. We commend your organization for meeting the ACCME's accreditation requirements and for demonstrating that yours is a

learning organization and a change agent for the physicians and patients you serve. You have demonstrated an engagement with your environment in support of physician learning and change that is a part of a system for quality improvement." — Graham MacMahon, MD, MSc, President and CEO of the ACCME

Presentations & Publications



Heinz Steiner, PhD, professor and chair of the Department of Cellular and Molecular Pharmacology, co-authored a paper titled "Transcranial Direct Current Stimulation Produces Long-Lasting Attenuation of Cocaine-Induced Behavioral Responses and Gene Regulation in Corticostriatal Circuits," published in the June 2016 issue of *Addiction Biology*. This publication resulted from a collaboration between Dr. Steiner's lab and a research team headed by Vincent Van Waes, PhD, associate professor of neuroscience at the University of Franche-Comte, Besançon, France. The study investigated the cellular mechanisms altered by transcranial direct current stimulation (tDCS), a novel treatment approach in the therapy of addiction.

Thomas M. Mullenix, CMS '18, along with coauthors including **Maria D. Salazar Garcia**, PhD, research technician; **Svetlana Dambaeva**, MD, PhD, research assistant professor; **Kenneth Beaman**, PhD, professor; **Alice Gilman-Sachs**, PhD, associate professor; and **Joanne Kwak-Kim**, professor, all from the Department of Microbiology and Immunology, published a paper titled "Plasminogen Activator Inhibitor-1 4G/5G Polymorphism is Associated with Reproductive Failure: Metabolic, Hormonal, and Immune Profiles" in the July 2016 issue of the *American Journal of Reproductive Immunology*.

Philip Persino, CMS '18, co-authored a paper titled "The Novel Use of Silicone Dielectric Gel for Central Nervous System Encapsulation and Preservation," published in the *Journal of the*

School & Department News

Human Anatomy and Physiology Society.



Dr. Michelle Hastings

Michelle Hastings, PhD, associate professor; **Frederic Depreux**, PhD, post-doctoral fellow; and **Francine Jodelka**, laboratory manager, all from the Department of Cell Biology and Anatomy, co-authored a study titled “Antisense oligonucleotides delivered to the amniotic cavity in utero modulate gene expression in the postnatal mouse.” The study, which was published in the September 28, 2016, issue of *Nucleic Acids Research*, offers hope that congenital diseases can be managed in utero by injecting engineered strands of nucleic acid into the amniotic cavity to treat genetic defects while the fetus is developing.



Dr. Frederic Depreux



Francine Jodelka

William Rhoades, DO, FACP, vice chair of the Clinical Sciences Department and professor and chair of medicine, was a speaker at the Alzheimer’s Association’s Annual Research Symposium, where he participated in the session “Review and Application of the Revised Diagnostic Criteria for Alzheimer’s Disease.” The symposium, which aims to increase awareness and improve the care of Alzheimer’s and other dementia-related diseases, took place on October 11 in Glencoe, IL.



Two members of the Chicago Medical School community participated in the “Out at RFU” exhibit speaker series, held from October 6 to November 16. This series, sponsored by the Office of Diversity and Inclusion, focused on the stories of students, faculty, and staff who are members or allies of the LGBT community.

Molly Steelman, CMS ’20, presented on October 19, and **Carl Correll**, PhD, associate professor of biochemistry and molecular biology, presented on October 31.



Molly Steelman



Dr. Correll during his presentation

Bala Chandran, PhD, retired professor and chair; **Jawed Iqbal**, PhD, senior research associate; **Mairaj Ahmed Ansari**, PhD, senior research associate; **Binod Kumar**, PhD, senior research associate; **Dipanjan Dutta**, PhD, senior research associate; **Arunava Roy**, PhD, senior research associate; **Leela Chikoti**, PhD, research associate; **Gina Pisano**, PhD student; **Sujoy Dutta**, PhD, senior research associate; **Shahrooz Vahedi**, PhD ’15, research associate; and **Mohanan Valiya Veettil**, PhD, research associate, all of the Department of Microbiology and Immunology, authored a paper titled “Histone H2B-IFI16 Recognition of Nuclear Herpesviral Genome Induces Cytoplasmic Interferon- β Responses,” published October 20 in *PLOS Pathogens*.

School & Department News

Bala Chandran, PhD, retired professor and chair; **Binod Kumar**, PhD, senior research associate; **Dipanjan Dutta**, PhD, senior research associate; **Jawed Iqbal**, PhD, senior research associate; **Mairaj Ahmed Ansari**, PhD, senior research associate; **Arunava Roy**, PhD, senior research associate; **Leela Chikoti**, PhD, research associate; **Mohanan Valiya Veettil**, PhD, research associate; and **Gina Pisano**, PhD student, all of the Department of Microbiology and Immunology, authored a paper titled “ESCRT-I Protein Tsg101 Plays a Role in the Post-Macropinocytic Trafficking and Infection of Endothelial Cells by Kaposi’s Sarcoma-Associated Herpesvirus,” published October 20 in *PLOS Pathogens*.



Kuei Y. Tseng, MD, PhD, associate professor of cellular and molecular pharmacology, participated in a panel discussion on opioid dependence and addiction at the Brain Research Foundation’s annual gala in Chicago on October 20.

Ricardo Senno, MD, assistant professor of physical medicine and rehabilitation; **Valerie Chavez**, CMS '18; and **Philip Schoenrock**, CMS '18, along with Ryan Crews, MS, CCRP, assistant professor of applied biomechanics; Shaheera Kahn, SCPM '18; Sai Yalla, PhD, research assistant professor; and Vasanth Subramanian, MS, research associate, all from Center for Lower Extremity Ambulatory Research (CLEAR), presented a poster titled “Do Objective Measures of Balance Correlate With Falls in Dementia Patients?” at the American Congress of Rehabilitation Medicine Conference, held November 1–4 in Chicago.

Nicholas Welsh, CMS '18, co-authored a paper called “Glycemic Control Reduces Infections in Post-Liver Transplant Patients: Results of a Prospective, Randomized Study,” published in the Nov. 2016 issue of the *Journal of Clinical Endocrinology & Metabolism*.

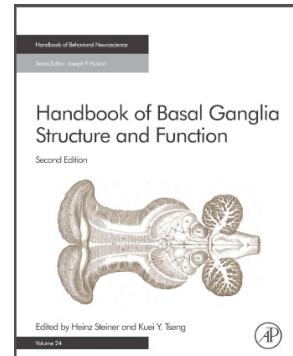
On November 16, **Carl Correll**, PhD, associate professor of biochemistry and molecular biology, gave a presentation titled “Interprofessional Care of the LGBTQ Patient throughout the Lifespan”



as part of the DeWitt C. Baldwin Interprofessional Institute’s Interprofessional Symposium Day. Six speakers from various schools and departments in the university were invited to speak. During his presentation, Dr. Correll discussed how to provide care for LGBTQ+ youth and adults, with topics ranging from using correct pronouns to identifying medical conditions with high prevalence among the LGBTQ community.

Melika Rezaee, CMS '18, co-authored a paper called “Inhibition of the Hedgehog Pathway in Patients with Basal-Cell Nevus Syndrome: Final Results from the Multicentre, Randomised, Double-Blind, Placebo-Controlled, Phase 2 Trial,” published in the December 2016 issue of *The Lancet Oncology*.

Heinz Steiner, PhD, professor and chair, and **Kuei Y. Tseng**, MD, PhD, associate professor, both of the Department of Cellular and Molecular Pharmacology, recently edited the second edition of the *Handbook of Basal Ganglia Structure and Function*, published by Academic Press. This handbook provides a comprehensive overview of the current knowledge on the basal ganglia, a brain system important for motor control and learning, habit formation, and cognition.



Neelam Sharma-Walia, PhD, assistant professor of microbiology and immunology; **Jayashree A. Chandrasekharan**, PhD student; **Xiao M. Huang**, CMS '18; and **Alexander Hwang**, CMS '18, co-authored a peer-reviewed manuscript entitled “Altering the Anti-inflammatory Lipoxin Microenvironment: A New Insight into KSHV Pathogenesis,” e-published ahead of print in the *Journal of Virology*. ■

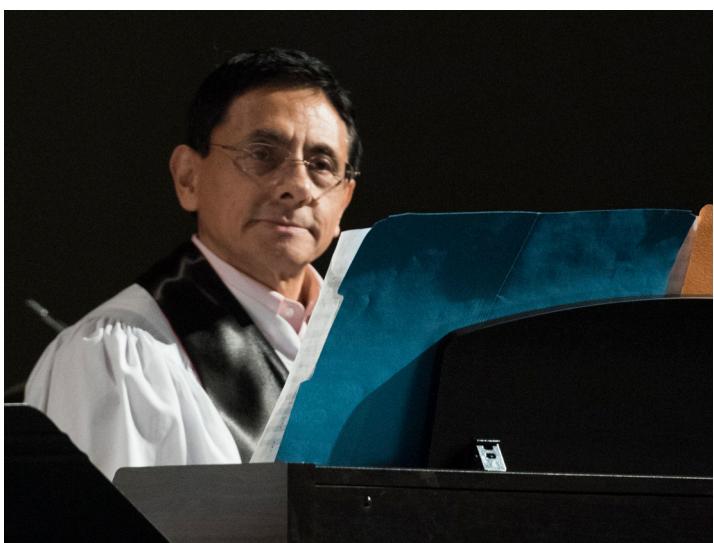
Around Campus



Joyce Jones, Temiwumi Ojo, Melissa Mariscal, Stephanie Miles, and Vanessa Rose, all members of the CMS Class of 2019, at the Dia de Los Muertos celebration, organized by SOL & LMSA.



Zachary Green, Paul Young and Cherilyn Acorda, all CMS '20, perform "Baby, It's Cold Outside" during the university's annual Holiday Show.



Hector Rasgado-Flores, PhD, associate professor of physiology and biophysics, plays the piano during the Holiday Show.



Katharine Wolf, CMS '19, talks to Ronald Johnson, MD, a family practice physician who came to speak to the Rural Health Interest Group (RHIG).



CMS Dean James Record during his State of the Medical School Address, "Crystallizing Our Future."

Upcoming Events

All School Research Consortium (ASRC) — March 15

Match Day — March 17

M3 Career Day and Poster Day — March 21

We want to hear from you!

To submit information or news for upcoming issues, contact
Candice Kosanke at candicekosanke@rosalindfranklin.edu.



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