In the spirit of continuing to enhance learning in medicine, CCLCM is exploring new technologies that can transform healthcare education.

“These advances in technology represent new paradigms for medical education and can be used to support a model for learner-centered education,” says Neil Mehta, MBBS, MS (Ophth), Director of Education Technology at CCLCM.

**HoloLens**
Cleveland Clinic and Case Western Reserve University have recently collaborated with Microsoft to bring Microsoft HoloLens to both patients and students. Microsoft describes HoloLens as a “see-through holographic computer” that allows high-definition holograms to integrate with the physical space around you, creating a mixed reality. HoloLens is huge for medical education. One of the biggest benefits will be the ability for students to see 3D hologram examples of internal organs and systems based on images of fresh cadavers and digital radiographic studies. The technology team at CCLCM and anatomy faculty are working with Cleveland Clinic’s Center for Medical Art & Photography and Biomedical Engineering to build rich, interactive learning experiences for anatomy education. The current plan is to develop a prototype for thoracic anatomy for pilot testing in January 2016.

View a video demo of Hololens.
Surface Hub
Microsoft has recently reinvented the small group learning and meeting experience with a new device called Surface Hub. Surface Hub is an 84-inch screen that comes alive to allow a person to easily join a business meeting with a single tap. Not only can people virtually join meetings, but Surface Hub was also designed to improve the way people work together. This device was built with the goal of increasing productivity at work. Cleveland Clinic is acquiring two Surface Hubs. According to Microsoft, the hope is to bring users “together in a way that feels completely natural, with technology that doesn’t intrude, but helps ideas flow.” We plan to pilot the use of these devices in small group learning environments, such as problem-based learning and problem-solving sessions, and for faculty and administrator meeting management.

Microsoft Band
Microsoft Band helps people achieve their wellness goals by tracking heart rate, steps, calorie burn and sleep quality. Dr. Mehta and James Young, MD, Executive Dean of CCLCM, are starting to study the impact of data from such wearable devices in patients with heart failure. Dr. Mehta is working with J. Harry Isaacson, MD, and Craig Nielsen, MD, to use these devices in chronic disease management programs, specifically with students working in longitudinal clinic to help activate patients in managing their own health.

Flipped Classroom with Office Mix
Flipped classroom reverses typical lecture and homework elements of a course. In a flipped classroom, students are directed to review didactic information. Class time with other students and educators is spent solving problems collaboratively and going over difficult concepts. An important aspect of flipped classrooms is to give faculty members analytics to monitor where their students are struggling in the didactic material and which can help them customize the classroom sessions. The majority of CCLCM classrooms are currently using flipped classrooms -- problem-based learning and problem-solving sessions -- but presently faculty members do not have access to such analytics. We are exploring the use of Office Mix as a technology to easily allow faculty to create content for flipped classrooms while providing rich analytics from student use of the content.

Microsoft Office Mix offers a simple way to turn PowerPoint slides into interactive online lessons and presentations. Office Mix was designed to allow teachers to take a PowerPoint document and create an interactive document that can be viewed anywhere with an internet connection. People now have the ability to record audio and add video, quizzes and even web pages all to a PowerPoint slide. This makes communication with students easier, especially when it comes to answering questions.

“If we can take advantage of these disruptive innovations, we can enhance the quality and efficiency of medical education, improve student and faculty satisfaction with the learning process, and, ultimately, better meet the future needs of healthcare in the U.S. and around the world,” says Dr. Mehta.

In the August issue, we’ll tell you about a new technology that may likely replace the iconic symbol of a physician: the stethoscope.
Three CCLCM Students Clinch Neuro Research Awards

The Cleveland Clinic Neurological Institute hosted 104 presentations at the annual Neurological Institute Research Day in May. Congratulations to the medical student award recipients below!

<table>
<thead>
<tr>
<th>Award</th>
<th>Recipient</th>
<th>Staff Supervisor</th>
<th>Presentation Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Best Platform Award</td>
<td>Jonathan Weimer, BS ('16)</td>
<td>Jennifer Frontera, MD</td>
<td>Withdrawal of Life-Sustaining Therapy in Patients with Intracranial Hemorrhage: Self-Fulfilling Prophecy or Accurate Prediction of Mortality</td>
</tr>
<tr>
<td>Medical Student Award</td>
<td>Joseph Featherall, BS ('19)</td>
<td>Ajit Krishnaney, MD</td>
<td>The Effectiveness of Bundled Infection Prevention Measures in Spine Surgery</td>
</tr>
<tr>
<td>Medical Student Award</td>
<td>Katherine Taljan, BS ('16)</td>
<td>Lilian Gonsalves, MD</td>
<td>A Non-Inferiority Study of Patient Satisfaction with Shared and Individual Medical Appointments among Women with Depression</td>
</tr>
</tbody>
</table>

Two CCLCM Faculty Win Excellence in Teaching Awards

Joseph Parambil, MD, and Diane Young, MD, received the 2015 Kaiser Permanente Excellence in Teaching Awards during the Case Western Reserve University School of Medicine graduation ceremony on Sunday, May 17.

This prestigious honor is presented by Lerner College of Medicine and CWRU School of Medicine students to the Outstanding Basic Science and Clinical Educators of the year (two from CWRU School of Medicine and two from the Lerner College of Medicine). The award is based on the faculty member’s exceptional contributions to student learning and professional development.

Dr. Parambil won the award for Outstanding Basic Science Educator, and Dr. Young won the award for Outstanding Clinical Educator.


Congratulations, Drs. Parambil and Young!
Residents and fellows are core to achieving the educational mission of Cleveland Clinic. The following 102 trainees were chosen to receive the Resident Teaching Award, which recognizes their outstanding skill and enthusiasm for teaching medical students and other residents, for the 2014-15 academic year. Highlighted names are CCLCM alumni!

Hesham Abboud, MD, Neurology
Benjamin Abelson, MD, General Surgery
Mohammed Alzubaidi, MD, Internal Medicine
Zubin Arora, MD, Internal Medicine
Cesar Artiles, MD, Pulmonary Diseases/Critical Care
Steve Assalita, MD, Internal Medicine
Dana Ataya, MD, Diagnostic Radiology
Keith Bachman, MD, Orthopaedic Surgery
Ehsan Balagamwala, MD, Radiation Oncology
Shankar Baskar, MD, Pediatrics
Christopher Brede, MD, Urology
Michael Brogan, MD, Neurocritical Care
Megan Buechel, MD, OB/GYN
Avery Capone, MD, General Surgery
Lisa Caronia, MD, OB/GYN
David Chaiffetz, MD, Psychiatry
Ann Chandy, MD, Psychiatry
Daych Chongnarungsin, MD, Critical Care Medicine
Ritika Coelho, MD, Pediatric Infectious Diseases
Paul Cremer, MD, Cardiovascular Disease
Thomas Cronin, MD, Emergency Medicine
Donelle Cummings, MD, Internal Medicine
Yael Dahan, MD, Anesthesiology
Mohamed Elshazy, MD, Cardiovascular Disease
Nadeen Faza, MD, Internal Medicine
Kathryn Fong, MD, General Surgery
Danielle Gainor, MD, Clinical Neurophysiology, EEG & Epilepsy
Bradley Gill, MD, MS, Urology
Harman Gill, MD, Critical Care Medicine
Jaykumar Grandhi, MD, Psychiatry
Benjamin Greenberg, PhD, Health Psychology
Michael Grille, MD, Anesthesiology
Lauren Krug Guren, MD, Dermatology
Brandon Hamm, MD, Psychiatry
Serge Harb, MD, Cardiovascular Disease
Samuel Haywood, MD, Urology
Andrew Torre Healy, MD, Neurological Surgery
Andrew Henn, Emergency Medicine
Pankaj Jain, MD, Anesthesiology
Amelia Jernigan, MD, Gyn/Onc
Eduardo Josino Montes, MD, Anesthesiology
John Kanaan, MD, Anesthesiology
Seth Kaplan, MD, Laryngology
Georgios Karakounis, MD, General Surgery
Mohammad Karim, MD, Internal Medicine
Ahmadreza Karimianpour, MD, Internal Medicine
Shilpi Khetarpal, MD, Dermatology
Naveed Khokhar, MD, Psychiatry
Tiwa Kolawole, MD, Psychosomatic Medicine
Sree Kolli, MD, Anesthesiology
Joel Kolmodin, MD, Orthopaedic Surgery
Christopher Kovacs, MD, Infectious Disease
Varun Kshettry, MD, Neurological Surgery
Anupam Kumar, MD, Pulmonary Diseases/Critical Care
Louis Lam, MD, Pulmonary Diseases/Critical Care
Jason Lappe, MD, Cardiovascular Disease
Mingsi Li, MD, Otolaryngology
Adam Mace, MD, General Surgery
Shyloga Mani, MD, Internal Medicine
Ralph Matar, MD, Internal Medicine
Elizabeth Menefee, MD, Child and Adolescent Psychiatry
Jhansi Menon, MD, Neuromuscular Medicine
Mohammad Mohmand, MD, Internal Medicine
Suhael Momin, MD, Otolaryngology
Jeffrey Mullin, MD, Neurological Surgery
Sajan Jiv Singh Nappal, MD, Internal Medicine
Georges Nakhou, MD, Nephrology
Aziz Nazha, MD, Hematology and Oncology
Ika Noviawaty, MD, Clinical Neurophysiology, EEG & Epilepsy
Moshe Ornstein, MD, Hematology and Oncology
Rosha Parikh, MD, Internal Medicine
Apurva Patel, MD, Internal Medicine
Ghazala Perven, MD, Clinical Neurophysiology, EEG & Epilepsy
Stephen Pesanti, MD, Psychiatry
Dritan Prifti, MD, Anesthesiology
Ryan Rajaram, MD, Psychiatry
Karthik Rajasekaran, MD, Otolaryngology
Grant Reed, MD, Cardiovascular Disease
Florian Rieder, MD, Gastroenterology
Aaron Ritter, MD, Behavioral Neurology and Neuropsychiatry
Michael Robich, MD, Thoracic Surgery
Julie Rosenthal, MD, Cardiovascular Disease
Steven Rueda, MD, Plastic Surgery Integrated
Jonathan Russell, MD, Otolaryngology
Aldo Schenone-Giungi, MD, Internal Medicine
Mourad Senussi, MD, Critical Care Medicine
Nandita Sharma, MD, Pediatrics
Nico Shirvani, MD, Psychiatry
Tamara Strohm, MD, Neurology
Aaron Taylor, MD, Orthopaedic Surgery
Paul Thisayakorn, MD, Psychosomatic Medicine
Rayji Tsutsui, MD, Internal Medicine
Cecile Unger, MD, Female Pelvic Med/Recon Surgery
Lindsey Valentine, MD, OB/GYN
Alok Vij, MD, Dermatology
Praveen Vijhani, MD, Internal Medicine
Paul Villalba, MD, Critical Care Anesthesiology
Christopher Wee, MD, Internal Medicine
Mara Velez Weinstein, MD, Dermatology
Neil Woody, MD, Radiation Oncology
Whitney Jackson, MD, Gastroenterology

These trainees were identified for their outstanding teaching by Lerner College of Medicine students as well as resident colleagues.

Outstanding teaching encompasses behaviors that include:

• presenting content in an organized and understandable way
• being available and willing to answer questions and explain concepts
• enthusiastic teaching and helping others learn
• helping learners find resources to answer questions and further explain concepts
• providing useful feedback that helps learners identify what they do well and what they need to work on
• creating a positive learning environment

The nominations were then confirmed by the respective Program Directors. Program Directors could also nominate trainees.

Congratulations to all our fine teachers-in-training!
Students Get Schooled on Jewish Culture

As part of the ongoing cultural awareness series, students and faculty gathered to hear about and discuss Jewish culture through the eyes and experiences of two of our Jewish medical students, Stuart Zeltzer (’16) and Alex Grubb (’18).

This session, held in April, started with an introduction to Jewish history, beginning in ancient times. Following a crash course in the most commonly used Yiddish phrases, the group got a taste of Jewish holy days such as Passover, Rosh Hashanah and Yom Kippur through traditional holiday foods. On the menu was brisket (traditional Jewish roast), schnitzel (breaded and fried meat), kugel (pudding-like casserole made with noodles or potatoes) and holiday challah (bread).

With full minds and stomachs, the group engaged in an open discussion, and the Jewish students shared what led them into medical school and their perspectives on how Judaism fits into the world of medicine.

Every month a different group of students hosts the celebration — complete with culturally appropriate food — and every effort is made to connect the celebration to a related holiday.

Many thanks to students who volunteered to cook and share their stories, and to the Cleveland Hillel Foundation at Case Western Reserve University for helping to provide the meal. Thanks also to Kendalle Cobb, MD, and Chen Yan (’16) for coordinating the cultural event series, the goals of which are to stimulate discussion, enhance understanding of differences and raise awareness about how to provide culturally competent healthcare to all patients.
Medical Education Encourages Former Student to Start Pizza Business

At CCLCM many students do much more than just earn a medical degree. Recent graduate Daniel Urcuyo, MD, developed a passion for creating a line of healthy foods that he hopes to one day share with his patients.

Dr. Urcuyo's journey began several years before starting medical school when he joined a local Crossfit™ gym and picked up the paleo diet, a diet that aims to refocus nutritional consumption toward foods humans were evolved to eat.

“I quickly began to feel better once I started the paleo diet,” he says. “I shared the lifestyle with my family and friends, who started to feel similar results.”

Dr. Urcuyo along with his family began to meal prep for the week every Sunday, to ensure they would have time to eat the way they really wanted to. Although all of this food was great, there was one thing everyone missed: pizza.

“My dad eventually found a recipe for paleo pizza online and started experimenting by creating his own recipe,” says Dr. Urcuyo. “After many iterations, we shared our pizza with friends. The response was overwhelmingly positive, and we decided to officially launch our Paleo Pizza brand.”

The company offers three types of pizza: veggie, supreme and three-meat. Every pizza is sold free of dairy, gluten, added sugar and preservatives. Paleo Pizza also locally sources their meat from local farms that pasture-raise their animals and use ethical farming practices.

Paleo Pizza means much more than just a pizza company to Dr. Urcuyo, who recently graduated and is starting Fairview Hospital’s family medicine residency program.

“I went into family medicine because I want to prevent diseases before they,” he says. “Paleo Pizza is just another way I can help accomplish this goal by offering a healthier and more wholesome alternative to traditional pizza.”

You can get Paleo Pizza from The Grocery in Ohio City, Crocker Park Farmers Market in Westlake and Shaker Square Farmers Market in Shaker Heights or by ordering online at paleomdpizza.com.

CCLCM Students Compete in Cleveland Marathon

On May 17, several Cleveland Clinic Lerner College of Medicine students took to the streets of Cleveland, braving the elements, to take part in the annual Cleveland Marathon. The students participating in the different events were 10k runners Blair Mitchell-Handley ('19) and Natalie Walker ('19); half-marathon runners Nicole Stegmeier ('18), Erin Sieke ('18), Erin Yamamoto ('19), Anna Faris ('19) and Ling-Ling Lee ('19); and full marathon runners Vince Cruz ('16), who went out for his first marathon, and Stuart Zeltzer ('16), who was running his fifth marathon.

In the end, despite some rain at the start and some unrelenting heat and humidity, all the students who participated came home to the finish line wearing smiles and feeling triumphant!
Floyd D. Loop, MD, former CEO and chairman of Cleveland Clinic, passed away June 11 after a long illness. He was 78 years old.

Dr. Loop served as Chief Executive Officer and Chairman of the Board of Governors from 1989 to 2004. He had a solid vision for the growth of our health system and pushed the organization in the direction that was fundamental to achieving our current status. During Dr. Loop’s time as CEO, Cleveland Clinic became an integrated regional healthcare delivery system, with an expanded main campus, hospital and clinic in Florida and its own medical school program. He invested heavily in information technology, laying the groundwork for what we know today as the EMR. He also launched construction of what would become the Sydell and Arnold Miller Family Pavilion and Glickman Tower.

Known to friends and colleagues as “Fred,” Dr. Loop was the son of a country doctor from Lafayette, Ind. He graduated from Purdue University, Ind., and earned his medical degree at The George Washington University, Washington, D.C. After post-graduate training at The George Washington University, the U.S. Air Force at Andrews Air Force Base and Cleveland Clinic, he joined Cleveland Clinic as a cardiac surgeon in 1970.

Dr. Loop performed more than 10,000 cardiac surgeries and was the author of 350 papers on all aspects of cardiovascular surgery. From 1975 to 1989, he served as Chairman of the Department of Thoracic and Cardiovascular Surgery, consolidating Cleveland Clinic’s worldwide reputation for excellence in cardiac surgery. He assembled a team of expert surgeons who would go on to lead their specialty and set the pace for years to come.

Dr. Loop retired as CEO in 2004, but he continued to advise and mentor his colleagues here and around the world. He served on private and public corporate boards, and his book, “Leadership and Medicine,” was published in 2009. His awards and honors include the American Heart Association Citation for International Service, the American College of Cardiology Cummings Humanitarian Award, and Cleveland Clinic Lerner Humanitarian Award.

Dr. Loop’s legacy is all around us. We can never forget all he contributed toward making Cleveland Clinic what it is today.

Franklin Michota Jr., MD, founder of our Hospital Medicine Program, died June 6 after battling metastatic colon cancer. He was 47 years old.

Dr. Michota is remembered as one of the true early giants in academic hospital medicine. He worked tirelessly at recruiting and supporting his colleagues as Head of Hospital Medicine in General Internal Medicine, a position he held for 11 years. The department he founded grew to more than 100 members during his tenure here.

Dr. Michota was a charter member of the Society of Hospital Medicine and served on both the national Education and Research committees. He was instrumental in helping develop the Hospitalist Core-Competencies position paper, and he directed and co-directed multiple symposia and continuing medical education courses, including the annual Cleveland Clinic Intensive Review of Internal Medicine and Perioperative Summit.

Dr. Michota also was a former Associate Program Director of Internal Medicine as well as Director of the Cleveland Clinic Hospital Medicine Fellowship Program.

Most recently, Dr. Michota served as Director of Academic Affairs in the Department of Hospital Medicine and as an Associate Professor of Medicine in the Lerner College of Medicine. He was a teacher at heart, challenging and nurturing students and colleagues alike. He mentored hundreds of staff members, residents and students throughout his career and will be sorely missed.
Celebrating the Class of 2019 with Mrs. Norma Lerner

Each year, Mrs. Norma Lerner graciously hosts a luncheon with CCLCM’s first-year students. The event is a wonderful opportunity for her to hear about their journeys thus far and how their five-year experience at the Lerner College of Medicine will pave the way for a future of limitless possibilities.

We extend our heartfelt gratitude to Mrs. Lerner for taking the time to welcome the college’s incoming class and for her continued interest and support of their endeavors.

MARK YOUR CALENDAR

July 17, 2015 | 8 a.m. – 5 p.m.
CWRU Lepow Research Day
CWRU Wolstein Research Building

July 24, 2015 | 3 p.m.
7th Annual Student Clinician Ceremony
CWRU Tinkham Veale University Center

July 27, 2015 | 7 – 8:30 a.m.
CCLCM State of the College Address
Cleveland Clinic, NA5-03/04

Alumni: Share Your News

We’d like to hear about what you’ve been doing since graduation. If you have news to share (maybe you’re involved in an interesting research project or you recently returned from a global health mission), please email Laura Greenwald at greenwl@ccf.org.

Laura R. Greenwald, MBA, Managing Editor
Kathryn Eurich, Writer
Thomas A. Fenn, Art Director

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