

2017-2018

MISSION AND IMPACT  
YEAR IN REVIEW

Report from the Dean and CEO to Our Most Philanthropic Supporters



## LETTER FROM THE DEAN AND CEO



I am delighted to share this report highlighting a sampling of the achievements that have led to our remarkable success throughout the 2017–2018 fiscal year (July 2017–June 2018). It has been a year of tremendous progress, as we continue to build on our legacy of educating tomorrow’s caregivers, delivering breakthroughs in research, eliminating health disparities and providing healing through compassionate patient care.

This success would not be possible without the generosity of philanthropists like you, who believe in our service-driven mission. Whether it be a gift toward scholarship, helping us mitigate the burdensome debt facing many of our medical students after graduation; the creation of an endowed chair, allowing us to attract and retain the finest faculty and researchers in the nation; or a gift that powers our clinical enterprise — your investments drive our upward trajectory and lay a firm foundation for our future success.

As you read through the pages of this report, I hope you do so with a shared sense of pride in the powerful work taking place here. Ours is an exceptional mission, and we are grateful for your support in helping us achieve it.

With gratitude,

### **Larry R. Kaiser, MD, FACS**

*The Lewis Katz Dean at the School of Medicine  
Senior Executive Vice President for Health Affairs, Temple University  
President and CEO, Temple University Health System  
Professor, Thoracic Medicine and Surgery*

**ON THE COVER:** Kaitlin Healy, MD '18 and Trocon Davis, MD Candidate 2021.



**PICTURED L TO R:** Phillip C. Richards, FOX '62 (Temple University Board of Trustees); Domenico Praticò, MD; and Larry R. Kaiser, MD at the Investiture Ceremony of Dr. Praticò on March 14, 2018.

## A New Alzheimer’s Center at Temple

March 2018 saw the creation of a new center for Alzheimer’s research at the Lewis Katz School of Medicine. The center and a new endowed chair were established with a gift from Temple University trustee and alumnus Phillip C. Richards, FOX '62, and the Scott Richards North Star Charitable Foundation.

Domenico Praticò, MD, a professor of pharmacology, microbiology and immunology in the Center of Translational Medicine, is the first director of the new center and the first to hold the endowed chair.

**“This strategic investment in Alzheimer’s research will pay dividends not just to Temple, but to society, funding cutting-edge basic science research, clinical studies and innovative educational programs for new generations of researchers.” – Larry R. Kaiser, MD**



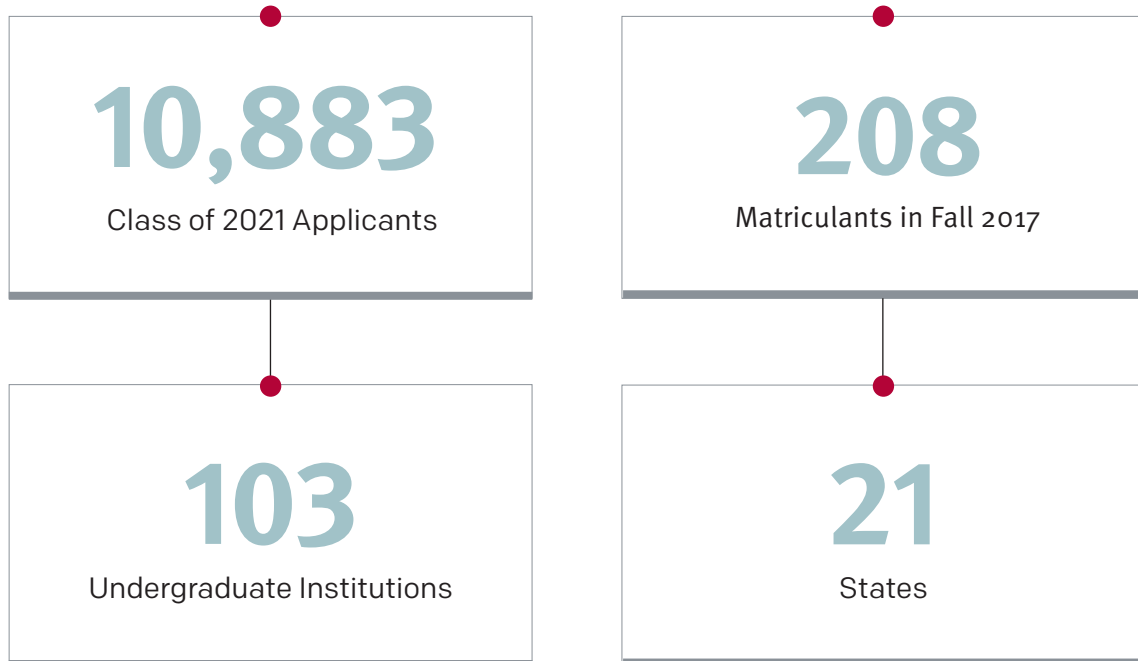
# INSIDE **THE SCHOOL**

## A Competitive Admission Season

There were more than 50,000 applicants who applied to a U.S. medical school during the 2017–2018 academic year, and only 43.1 percent of them were accepted, according to admissions statistics from the Association of American Medical Colleges.

At the Lewis Katz School of Medicine, competition was robust for a spot in the Class of 2021, with 208 students selected from 10,883 applicants, making the Katz School of Medicine the sixth most-applied-to medical school in the nation.

The incoming MD students were a diverse group hailing from 103 undergraduate institutions, 21 states and numerous countries around the world.



## DEGREES OFFERED

### PHD, MA AND MMS PROGRAMS

BIOMEDICAL SCIENCES, URBAN BIOETHICS AND PHYSICIAN ASSISTANT STUDIES

### DUAL DEGREE PROGRAMS

MD-PHD, MD-MBA, MD-MPH AND MD-MA IN URBAN BIOETHICS

## Inside the School (cont.)

### LCME Re-Accreditation Complete

In the fall of 2017, the Katz School of Medicine received full accreditation for the entire eight-year term from the Liaison Committee on Medical Education (LCME). During the accreditation review, the school was commended for its partnership with St. Luke's Clinical Campus, dedication to the North Philadelphia community, the Master of Arts in Urban Bioethics program (first in the nation) and the commitment of the faculty and administration to our educational program.

### The Kozera Teaching Academy Takes Flight

The Richard J. Kozera Teaching Academy was established in July 2017 to support the school's mission of teaching excellence by providing a suite of leadership-development programs and services to benefit faculty members at all stages of their careers. Coordinated by the Offices of Education and Faculty Affairs, the Academy features programs, tools and resources designed to help the faculty evolve as a community of educators and innovators.

The Academy is named in memory of Richard J. Kozera, MD, honoring his 27-year legacy at Temple and his commitment to enhancing the quality of the school's educational mission.

### Compassionate Emergency Care: Temple's Emergency Action Corps

The Temple Emergency Action Corps (TEAC) was founded in 2005 by a group of medical students in the wake of Hurricane Katrina. TEAC is dedicated to providing compassionate, culturally conscious medical care in cases of local, national and international disasters.

A recent TEAC mission brought 15 medical students and four physicians to hurricane-ravaged Puerto Rico to work in free medical clinics in some of the most hard-hit areas. This was the 12th disaster-relief trip organized by TEAC, which is funded in part by the Greenfield Foundation. Board member and alumnus William Greenfield, MD '69, joined the students as a physician participant on the trip. You can read their reflections on the trip at the Temple Narrative Medicine website: <http://bit.do/TEAC-PuertoRico>



216 Doctor of Medicine	3 Master of Arts	12 Doctor of Medicine & Master of Arts	18 Master of Medical Science in Physician Assistant Studies
3 Master of Science	18 Doctor of Philosophy	2 Doctor of Medicine & Doctor of Philosophy	



**Chose Temple**  
because he believes  
in giving back to the  
community

**Favorite  
block to date?**  
Anatomy

**Best thing about  
medical school?**  
Seeing his knowledge  
emerge when  
interacting  
with patients

Member,  
Student National  
Medical  
Association

# STUDENT PROFILE

**DAVID DUGUE**

**MD CANDIDATE 2021**

**RECIPIENT, THE LEWIS KATZ SCHOLARSHIP IN MEDICINE**

“Receiving a scholarship has meant much more to me than financial support. It has reinforced my sense of altruism and inspired my sense of optimism and drive. Knowing that there are individuals rooting for me and celebrating my hard work encourages me to support those following in my footsteps. I hope to serve as a testament to what hard work can achieve, through mentorship of young adults aspiring to enter the medical field.” – *David Dugue*





# MATCH DAY

ABOVE: Members of the Class of 2018 on Match Day.

## TOP SPECIALTIES

<b>44</b> Internal Medicine	<b>27</b> Emergency Medicine	<b>26</b> General Surgery	
<b>19</b> Family Medicine	<b>15</b> Psychiatry	<b>14</b> Anesthesiology	<b>14</b> Pediatrics

## HIGHLIGHTS

<b>99%</b> Matched	<b>34%</b> Pursuing Primary Care
<b>14%</b> Matched at Temple University Health System	<b>17%</b> Matched at Highly Competitive Institutions

# UPDATE ON SCHOLARSHIP

At the Lewis Katz School of Medicine, our commitment to widening access to medical school and building our scholarship resources remain top priorities.

61%

OF MEDICAL STUDENTS RECEIVED SCHOLARSHIPS

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204

STUDENTS RECEIVED DONOR-FUNDED  
SCHOLARSHIP DISTRIBUTIONS TOTALING OVER

\$1.79M





**Future plans?**  
Residency in  
Family Medicine

Participant,  
Science in  
Philly Schools

Loves Temple's  
focus on patient-  
centered care

**Biggest med  
school challenge?**  
So much to learn

# STUDENT PROFILE

**S P E N C E R M C C A F F R E Y**

**MD CANDIDATE 2019**

**RECIPIENT, CATHERINE G. SCOTT ENDOWED MEDICAL SCHOLARSHIP**

"In my OB/GYN rotation, one of my jobs was to help 'catch' the newborn babies. Experiences like these make me pinch myself in disbelief. What other profession consistently allows you to witness events so personal and life-changing? I am profoundly grateful for my scholarship, which pushes me to work hard and learn as much as I can to honor this incredible investment in my education." – *Spencer McCaffrey*





Thanks to generous support from donors, the school-held scholarship endowment principal increased by \$8.2 million between September 2016 and May 2018, growing from \$25.3 to \$33.5 million. This is significant progress toward our goal of building a \$50 million scholarship endowment by 2026.

In addition to building scholarship resources, the Katz School of Medicine is working to address the rising cost of medical school. In 2017–2018, the school's tuition rates were lower than all but one other Pennsylvania medical school.

**2017–2018 TUITION RATES**

**\$50,932**

PA RESIDENTS

**\$54,004**

OUT-OF-STATE RESIDENTS



**\$18,176**

Reduction in Average Student Debt from 2016 to 2018

**\$216,189**

Average Debt for the Class of 2016

↓

**\$203,374**

Average Debt for the Class of 2017

↓

**\$198,013**

Average Debt for the Class of 2018

**LEFT:** Robert Honish, MD (President, The Physicians Aid Association of the Delaware Valley) pictured with scholarship recipients at the annual Scholarship Dinner on March 15, 2018.

# ANOTHER YEAR OF **GROUNDBREAKING**

Temple researchers continue to set the stage nationally for advancements across the scientific spectrum. In just a small sampling of the diverse news from our research enterprise, our scientists are:



**Uncovering the Mechanism Behind Heart Failure and Mortality in Sepsis** in collaboration with colleagues at Columbia University in New York. Temple researchers are describing the mechanism underlying the loss of energy from heart dysfunction in sepsis, opening the way for the development of a new therapy that could save thousands of lives annually.

**Eradicating Cancer Cells through Dual Targeting of DNA Repair Mechanisms**, showing that it is possible to eliminate at least two back-up repair mechanisms at the same time using two targeted therapies, helping to ensure cancer cell eradication.

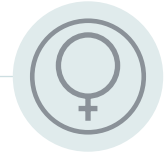


**Uncovering the Mechanism Behind Calorie Restriction and Lengthened Lifespan**, showing that the speed at which the epigenome changes with age is associated with lifespan across species and that calorie restriction slows this process of change, potentially explaining its effects on longevity.



# RESEARCH

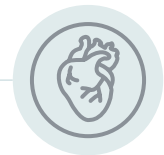
**Performing the Highest-Quality Research in Perinatal and Women's Health** as new members of the Perinatal Research Consortium, a network of healthcare institutions with the shared goal of developing and performing the highest-quality research in perinatal and women's health, and serving as a valuable research resource.



**Providing Expanded Insights into the Brain's Response to Opioids** which will be invaluable in identifying potential substances that provide strong therapeutic benefits with fewer side effects.



**Exploring New Cell-Free Stem Cell-Based Possibilities in Heart Repair** thanks to an \$11.6 million Program Project Grant from the National Heart, Lung, and Blood Institute of the National Institutes of Health.



**Reversing Cognitive Impairments in Mice with Dementia** showing, for the first time in an animal model, that tau pathology — the second-most important lesion in the brain in patients with Alzheimer's disease — can be reversed by a drug.



# PROVIDING ACCESS TO **THE HIGHEST QUALITY CARE**

Temple remains steadfast in its mission, serving as a relentless advocate for Philadelphia's most vulnerable communities and as a place of hope for patients and families with the most complex cases. A selection of highlights from the past year include:

## **100th Pulmonary Thromboendarterectomy Performed at Temple University Hospital (TUH)**

This complex procedure is offered at only a handful of hospitals in the U.S. This milestone was accompanied by the publication of Temple's pulmonary thromboendarterectomy data by the Journal of Cardiovascular Surgery.

## **Selection as Clinical Hub for National Institutes of Health Emergency Medicine Clinical Trials Network**

Now one of only 11 clinical hubs for a new emergency medicine clinical trials network designed to support the rapid implementation of high-quality, large-scale clinical trials in emergency medicine, Temple's clinical hub will coordinate the efforts of a large group of academic medical centers and emergency medical systems throughout the Mid-Atlantic region.

## **Offering an Innovative Approach to Treating Complex Temporal Bone Defects**

In a multi-disciplinary approach now offered at TUH, doctors are using a less invasive procedure to successfully repair tegmen dehiscence and temporal encephalocele, which has been published in the Journal of Neurosurgery.



### ● **Launching a New Strategic Partnership for Four Transplant Services**

Through the new partnership, TUH and St. Luke's University Health Network are minimizing travel and streamlining care for heart, bone marrow, liver and kidney transplant patients.

### ● **Lung Center Recognition as a "Sarcoidosis Clinic"**

One of only 27 in the world to earn the designation, it provides formal recognition of Temple's commitment to meeting the needs of sarcoidosis patients and efforts to keep abreast of the ongoing advances and findings in sarcoidosis treatment and research.

### ● **Leading a Landmark Emphysema Trial**

In a Temple-led clinical trial known as LIBERATE, an endoscopic lung volume reduction therapy successfully reduced shortness of breath, improved lung function and quality of life. The results of the study were presented at the ATS International Conference and published simultaneously in the American Journal of Respiratory and Critical Care Medicine.

## CELEBRATING **A PHILLY CAUSE**

TEMPLE UNIVERSITY HOSPITAL

# ACRES OF DIAMONDS *Gala*

On May 12, 2018, the 65th Annual Acres of Diamonds Gala brought together the region's leaders, philanthropists and ardent champions to celebrate Temple University Hospital, raising \$1.4 million for vital, lifesaving work at the hospital, in the community and across the region.

In the largest city in the U.S. without a public hospital, annual support for the Gala helps TUH remain true to our mission of providing the same level of high-quality care for everyone who turns to us for help, caring for the most vulnerable and educating future generations to carry that tradition forward.

# BY THE NUMBERS

SEPTEMBER  
2017

Temple's Larry R. Kaiser, MD accepts the "Germination Project ICON Award" on behalf of Temple University Health System

MARCH  
2018

TUH Earns "LGBTQ Healthcare Equality Leader" Designation in Human Rights Campaign Foundation's Healthcare Equality Index

TUH Receives International Recognition as a "Designated Baby-Friendly Birth Facility" by Baby-Friendly USA

APRIL  
2018

151 Temple Physicians Named "Top Doctors" by Philadelphia Magazine

MAY  
2018

Larry R. Kaiser, MD and Verdi J. DiSesa, MD Named "Great Leaders in Healthcare" by Becker's Hospital Review

LUNG TRANSPLANTS  
PERFORMED BY TUH  
IN 2017 — THE MOST  
IN THE NATION

131

12

SIXTH THROUGH EIGHTH  
GRADERS PARTICIPATED  
IN DOCTORING 10, A  
PROGRAM RUN BY  
BIG FRIENDS, A KATZ  
SCHOOL OF MEDICINE  
STUDENT GOVERNMENT  
ASSOCIATION GROUP  
THAT PROVIDES TUTORING  
AND MENTORING FOR  
STUDENTS AT KENDERTON  
ELEMENTARY SCHOOL



500

MIDDLE AND HIGH  
SCHOOL STUDENTS  
ATTENDED THE ANNUAL  
KENDERTON HEALTH  
AND SCIENCE FAIR,  
ORGANIZED BY KATZ  
SCHOOL OF MEDICINE  
STUDENTS

10

PHYSICIAN ASSISTANT STUDENTS  
TRAVELED TO PUERTO RICO  
WITH THE FOUNDATION FOR THE  
INTERNATIONAL MEDICAL RELIEF  
OF CHILDREN

16%

OF ALUMNI SUPPORTED THE KATZ  
SCHOOL OF MEDICINE IN THE 2018 FISCAL  
YEAR (FY18), AMONG THE HIGHEST  
PARTICIPATION RATES OF ANY SCHOOL  
OR COLLEGE AT TEMPLE UNIVERSITY



# 2,502

BABY BOXES DISTRIBUTED IN FY18 TO FAMILIES OF BABIES BORN AT TUH, AS PART OF AN INITIATIVE TO REDUCE THE INCIDENCE OF INFANT MORTALITY AND IMPROVE ACCESS TO EDUCATION AND COMMUNITY RESOURCES FOR MOTHERS AND NEWBORNS



## FARM TO FAMILIES FY18

# 2,140

BOXES OF FRESH PRODUCE DISTRIBUTED

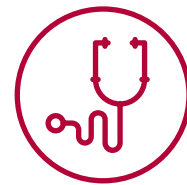
# 79%

OF DISTRIBUTED BOXES WERE DONOR-SUBSIDIZED

# 9,420

FARM FRESH EGGS SOLD

FARM TO FAMILIES PROVIDES FARM FRESH FOOD TO FAMILIES WHO MAY NOT OTHERWISE HAVE ACCESS TO HEALTHY FOOD OR THE ABILITY TO AFFORD IT



# 208

TEMPLE-BRANDED STETHOSCOPES DISTRIBUTED TO THE CLASS OF 2021

# 10

NEW SCHOLARSHIPS ESTABLISHED AT THE KATZ SCHOOL OF MEDICINE IN FY18

# 14,677

OPERATING ROOM PROCEDURES PERFORMED AT TUH IN FY18

# 7,784

INPATIENT

# 6,893

OUTPATIENT







Lewis Katz School of Medicine

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Disclaimer: Temple University Health System (TUHS) neither provides nor controls the provision of health care. All health care is provided by its member organizations or independent health care providers affiliated with TUHS member organizations. Each TUHS member organization is owned and operated pursuant to its governing documents. Temple Health refers to the health, education and research activities carried out by the affiliates of Temple University Health System and by the Lewis Katz School of Medicine at Temple University.