MISSION STATEMENT

IT IS THE MISSION OF INDIANA UNIVERSITY SCHOOL OF MEDICINE TO ADVANCE HEALTH IN THE STATE OF INDIANA AND BEYOND BY PROMOTING INNOVATION AND EXCELLENCE IN EDUCATION, RESEARCH AND PATIENT CARE.

As the largest medical school in the United States, Indiana University School of Medicine bears great responsibility for the future of health care in our state, nation and world. We look no further than our own mission statement to evaluate the successes and accomplishments in any given year. I’m pleased to share that we made great strides in 2018-19 in fulfilling our mission—the evidence of which you will read about in this annual report.

Here are a few highlights:

EXCELLENCE IN EDUCATION
Earlier this year IU School of Medicine launched Scholarly Concentrations, a program providing students the opportunity to engage in scholarly activity beyond the standard curriculum, without adding time or expense to their medical education. These Scholarly Concentrations draw upon the expertise of faculty at all nine of our campuses and include topics such as Ethics, Equity and Justice; Care of Hispanic/Latino Patients; Health Information Technology; Quality and Innovation in Health Care; and Health Promotion and Disease Prevention.

To address Indiana’s physician shortage, IU School of Medicine is engaged in residency expansion—particularly outside of Indianapolis—by partnering with hospital systems to increase the number of residency training programs around the state. In the past year, residency programs have been added in Lafayette, Jasper and Vincennes.

EXCELLENCE IN RESEARCH
IU School of Medicine secured nearly $150 million in research funding from the National Institutes of Health in federal fiscal year 2018—up 10 percent over the previous year and 54 percent over the past five years. The school brought in more than $361 million in research funding from all sources in the most recent fiscal year.

EXCELLENCE IN PATIENT CARE
As we strive to be true to our vision to “make Indiana one of the nation’s healthiest states,” we have set goals to improve Indiana’s Mental Health in America overall ranking, reduce infant and maternal mortality, improve cancer prevention and detection rates, and decrease cancer mortality rates.

In addition to these efforts, in 2018, IU School of Medicine began implementation of a strategic plan that outlines our priorities over a five-year period. Incorporating input from hundreds of members of the IU School of Medicine community, the strategic plan represents a strong commitment to the state of Indiana; the school’s hospital and industry partners; granting agencies and donors; and—most importantly—to patients.

Through innovation and excellence to prepare healers for practice and researching new discoveries to advance patient care, IU School of Medicine is poised to transform health and improve outcomes for patients in Indiana and beyond.

Jay L. Hess, MD, PhD, MHSA
Executive Vice President for University Clinical Affairs
Dean of the School of Medicine
Indiana University
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MEDICAL EDUCATION

CURRICULUM SUPPORTS CHANGES IN HEALTH CARE DELIVERY

Students pursuing a Doctor of Medicine degree at IU School of Medicine progress through a statewide medical education curriculum that includes training in the basic sciences, as well as clinical training in tertiary care centers, community hospitals, ambulatory care settings, student outreach clinics and physician offices. Many students also take advantage of opportunities to participate in a Scholarly Concentration, medical research and campus, and community programs.

Given the importance of training for real-world situations and professional practice settings, IU School of Medicine recently updated the MD curriculum to reflect and support changes in care-delivery models, readying students to practice medicine in team-based, interdisciplinary settings. The new curriculum closely integrates clinical experiences and basic sciences, and offers opportunities for learners to more deeply explore foundational science in a chosen specialty. Collaboration within learning communities and interprofessional work further enhance the training experience. With the help of student assessments, program evaluations, learning technology, and input from the teaching and learning community at IU School of Medicine, the MD curriculum continues to evolve and improve to meet the ever-changing knowledge needs of successful physicians.
SCHOLARLY CONCENTRATIONS ENHANCE STUDENT SUCCESS, CUSTOMIZE MEDICAL EDUCATION

The IU School of Medicine Scholarly Concentrations program allows medical students to pursue an area of interest or passion that goes beyond the standard medical school curriculum. An optional experience, a Scholarly Concentration complements the core curriculum and empowers students to delve into topics such as Urban Medicine and Health Care Disparities, Business of Medicine, Public Health, Quality and Innovation in Health Care, and more. Students completing a Scholarly Concentration benefit from the school’s statewide network of experts and resources, receive unique mentoring opportunities, develop skills, and complete scholarly projects that are valuable for residency applications and professional development.

With faculty guidance, participating students complete didactic and project-based work related to their chosen topic. Unlike traditional academic certificates and degrees, Scholarly Concentrations do not add time or costs to completing a medical degree. Notably, they are intended to be completed within the four years of medical school by taking advantage of summers, electives and less intense times in the curriculum.

Concentrations are a valuable way for IU School of Medicine MD students to customize their education and engage in experiences that lead to multidisciplinary scholarship, research and community engagement. Students who successfully complete the requirements for a Scholarly Concentration earn two elective credits toward graduation and a Scholarly Concentration designation, suitable for their curriculum vitae and other professional documentation.

“One of our obligations as a medical school—and a priority of our strategic plan—is to maximize the success of our learners. That means preparing medical students for step exams, exposing them to diverse clinical experiences and ensuring they are poised to excel in residency. But it also means helping students find joy in the practice of medicine, and equipping them with skills they need to make medicine better throughout their careers.”

JAY L. HESS, MD, PHD, MHSA
EXECUTIVE VICE PRESIDENT FOR UNIVERSITY CLINICAL AFFAIRS
DEAN OF THE SCHOOL OF MEDICINE
INDIANA UNIVERSITY

BLOOMINGTON
Human Sexuality and Health

EVANSVILLE
Quality and Innovation in Health Care

INDIANAPOLIS
Health Integration and Healthy Aging

MUNCIE
Health Promotion and Disease Prevention

NORTHWEST-GARY
Urban Medicine and Health Care Disparities

SOUTH BEND
Ethics, Equity and Justice

TERRE HAUTE
Rural Health

WEST LAFAYETTE
Biomedical Engineering and Applied Medical Technology
Care of Hispanic/Latino Patients

STATEWIDE
Business of Medicine
Public Health
Medical Humanities
IU SCHOOL OF MEDICINE BUILDS STRONG REGIONAL CAMPUS SYSTEM

For decades, IU School of Medicine’s regional campuses have played a critical role in training students during the first two years of their medical school careers, when the curriculum focuses on basic sciences. More recently, the sites have been expanded to offer clinical rotations that introduce third- and fourth-year students to patient care, and expose them to different medical specialties. This was accomplished by partnering with 50 health systems and nearly 3,000 community physicians across the state, who welcome students into their practices and dedicate significant time to training the next generation of doctors.

Students at IU School of Medicine’s regional campuses have an exceptional medical school experience. They are part of a small, cohesive community that offers highly personalized mentorship from outstanding faculty and rich, community-based clinical opportunities that allow them to participate in patient care in ways not always possible at large medical centers. At the same time, students have access to all of the resources, expertise and opportunities available at the largest medical school in the United States.

INVESTING IN CAMPUSES THROUGHOUT INDIANA

In 2018, IU School of Medicine celebrated the opening of the Stone Family Center for Health Sciences in downtown Evansville. A partnership with the University of Evansville, the University of Southern Indiana and the IU School of Dentistry, the building is a shared hub for health sciences education where students from multiple disciplines are learning to work together to seamlessly deliver patient care. The building is named for William and Mary Stone, who made a $15 million gift to support the health sciences center and multi-institutional partnership.

In Bloomington, progress continues on the new IU Health Regional Academic Health Center. An academic building adjacent to the new hospital will house IU School of Medicine’s Bloomington campus, along with programs for several other IU health sciences schools. The new facility will provide direct and simple access for students to interface with physicians and provide new opportunities for interprofessional education.

The Evansville and Bloomington projects follow IU School of Medicine-West Lafayette’s move into a new building in 2014, providing students there with the most modern and advanced learning environment.
To ensure IU School of Medicine continuously evolves to meet the needs of students, patients and communities, the school launched a renewed focus on innovation in the summer of 2018. More than 100 members of the school community gathered to put forward their best and boldest ideas at an inaugural Innovation Summit. Other faculty, staff and learners shared their ideas through an online Innovation Portal.

THE SCHOOL HAS ASSEMBLED A LIST OF INNOVATION RECOMMENDATIONS FOR FURTHER CONSIDERATION.

These recommendations fall into four primary categories:

- **Better Use of Technology for Both Learning and Patient Care**
- **Improved Coaching**
- **Greater Integration of Health System Science into the Curriculum**
- **Fostering a Culture That Promotes and Inspires Innovation**

School introduces students to emerging technologies with point-of-care ultrasound

IU School of Medicine is preparing students for the future of health care, which includes training them in new technologies that will transform the way physicians practice. With that in mind, the school is integrating use of “point-of-care ultrasound,” or POCUS, into every stage of its curriculum.

The hand-held devices allow images to be displayed on a smartphone or tablet. Like their larger predecessors, the technology offers a look at soft tissues inside the body, answering essential questions.

“In leveraging this new technology—something that’s going to be so prevalent in medical care in the coming years—IU School of Medicine is upholding our responsibility to provide the very best education so that our learners are practice ready as they leave our programs.”

Paul Wallach, MD
Executive Associate Dean for Educational Affairs and Institutional Improvement
NIGHT VISION PROVIDES ESSENTIAL ULTRASOUND TRAINING FOR STUDENTS
In April 2019, IU School of Medicine presented Night Vision—a live, statewide, point-of-care ultrasound training for medical students. During the event, students learned about ultrasound techniques and watched a demonstration from experienced physicians. After the demonstration, students also had the opportunity to take part in hands-on ultrasound training. The main event took place in Indianapolis and was live streamed to students at all nine campuses.

ACCREDITED SIMULATION CENTER PROVIDES REAL-WORLD, EXPERIENTIAL LEARNING
The Simulation Center at Fairbanks Hall on the IU School of Medicine Indianapolis campus is a successful collaboration between Indiana University Health, IU School of Medicine and IU School of Nursing to provide state-of-the-art simulation education and innovation to thousands of professionals and students in a variety of medical events and scenarios each year. The center is organized as a virtual hospital and virtual clinic. Simulation modalities include health care task trainers, human patient simulators and computer-based programs.

IU School of Medicine medical students participate in learning experiences at the Simulation Center during all four years of medical training. In addition, a statewide Simulation Council, comprised of faculty from all nine campuses, meets regularly to discuss the simulation curriculum and ways to improve simulated experiences for students.

The Simulation Center at Fairbanks Hall is accredited by the Society for Simulation in Healthcare. This accreditation in the area of Teaching/Education applies through December 2022, and signifies that the center demonstrates regular, recurring simulation activities with clearly stated objectives in the areas of knowledge, psychomotor skills and behaviors, and provides evidence of ongoing improvement of educational activities.

"IU School of Medicine goes above and beyond to make sure we have the learning tools available to excel in our clinical experiences. Before starting our surgery rotations, we were invited to the Simulation Center to get hands-on experience with many of the techniques and scenarios integral to many surgical cases. What the Simulation Center truly excels at is creating a learning environment that represents what we will see in our clinical practice."

JEREMY SHERER
CLASS OF 2018, IU SCHOOL OF MEDICINE – TERRE HAUTE
ROBUST SUPPORT SERVICES PROMOTE STUDENT SUCCESS AND ENHANCE WELL-BEING

Students pursuing a Doctor of Medicine degree progress through a demanding medical education curriculum. To assist in student success and to promote sound personal well-being, the school provides a wide range of student support services to ensure students can access recreational facilities, personal counseling, health care, peer support groups and other critical resources to balance the intensity of medical training. The school also provides novel personalized mentoring and advising support, as well as disability accommodations, financial support, advocacy and complaint handling, exam preparation, and mock interviews to ensure academic progress stays on track.

LEAD ADVISORS

Lead Advisors serve as the primary advising contact for medical students at IU School of Medicine. Students are assigned a Lead Advisor by the first-year campus. The advisors provide advice and guidance to ensure students are meeting milestones for graduation. Additionally, Lead Advisors are responsible for assisting students with the construction of the Medical Student Performance Evaluation (MSPE) for residency applications in the fourth year.

MENTAL HEALTH SERVICES

All IU School of Medicine students, residents and fellows seeking mental health or personal counseling services—for any reason—can access resources for confidential personal consultation and treatment through the Department of Mental Health Services. The school has made major investments in services in recent years that involved hiring Director Samia Hasan, MD, adding a team of mental health experts and providing enhanced access to services across all nine campuses. Expansion of these services continued in the 2018-19 year to meet the needs of learners.

“We provide our medical trainees with a state-of-the-art medical education. By taking care of their mental health and wellness needs, it allows us to train the whole person and that means that we have providers who will know how to take care of themselves, as well as how to take care of their patients, and that means longevity in the field.”

SAMIA HASAN, MD
ASSISTANT PROFESSOR OF CLINICAL PSYCHIATRY
DIRECTOR OF MENTAL HEALTH SERVICES
IU SCHOOL OF MEDICINE
ADDITIONAL HIGHLIGHTS

STUDENT OUTREACH CLINICS represent one of the most ambitious service-learning initiatives at IU School of Medicine. These student-led health clinics—with locations in Indianapolis, South Bend and Terre Haute—offer free health care to the uninsured and underserved in Indiana communities. Under a shared-governance model, medical students at IU School of Medicine manage the clinic and its services under the supervision of licensed physicians. The student outreach clinic program is designed to improve the availability and quality of health services in underserved populations and provides a way for medical students to impact health care equity in the state.

THE IU CENTER FOR INTERPROFESSIONAL HEALTH EDUCATION AND PRACTICE was created to foster an interdisciplinary approach to health care and education and prepare future health care providers to deliver high-quality, team-based care for the benefit of their patients and the communities they serve. Recent health care reform has placed an added emphasis on efficient, effective and accessible care, and Indiana University is well-positioned to be a leader in training students to collaborate across disciplines to provide optimal care to benefit patients and their families. In addition to IU School of Medicine, other IU schools involved in the initiative are dentistry, health and human sciences, nursing, optometry and social work, as well as the School of Public Health-Bloomington and the Fairbanks School of Public Health in Indianapolis.

INDIANA UNIVERSITY MEDICAL STUDENT PROGRAM FOR RESEARCH AND SCHOLARSHIP (IMPRS) facilitates medical student participation in various medical research and experiential opportunities, ranging from summer programs with IU School of Medicine to yearlong opportunities across the world.
GRADUATE MEDICAL EDUCATION

IU School of Medicine takes seriously our role in training tomorrow’s doctors during their first four years of medical education. However, we do more than train medical students. Through our world-class residency and fellowship programs, we help guide doctors through training in their chosen specialties. Providing a vast array of inpatient and outpatient training experiences for future physicians, as well as opportunities in medical research, IU School of Medicine is leading the way to train the next generation of physicians.

| TOTAL RESIDENTS | 931 |
| TOTAL FELLOWS   | 301 |
| TOTAL ACCREDITED PROGRAMS | 94 |
| OTHER PROGRAMS | 64 |

RECENT RESIDENCY EXPANSION ADDRESSING INDIANA’S PHYSICIAN SHORTAGE

Efforts to expand graduate medical education—necessary to help address Indiana’s statewide physician shortage—took significant steps forward this past year with the opening of three new residency programs.

- In July 2018, the new Indiana University School of Medicine Arnett Family Medicine Residency Program in Lafayette began training its first medical school graduates. In total, 15 positions were approved for IU Health Arnett with the first five residents starting their three-year program in 2018.

- The first intern classes started in summer 2019 at both the Family Medicine Residency at Memorial Hospital in Jasper, and the Psychiatry Residency at Good Samaritan Hospital in Vincennes.

- Looking ahead, the Southwest Indiana Internal Medicine Residency at Good Samaritan Hospital in Vincennes and St. Vincent Evansville will gain its first class of residents in 2020. Other residency expansion programs are being explored in northwest Indiana and Bloomington.
IU School of Medicine offers graduate-level programs in a wide variety of research areas. Whether a student is pursuing a Master’s or PhD degree, seeking postdoctoral training or supplementing a core area of expertise with a certificate or minor, our faculty offer exceptional education and hands-on experience.

| MASTER’S STUDENTS (Non-Master of Science in Medical Science) | 168 |
| MASTER OF SCIENCE IN MEDICAL SCIENCE STUDENTS | 19 |
| PHD STUDENTS (NON-MD) | 158 |

HEALTH PROFESSIONS PROGRAMS (HPP)
IU School of Medicine offers undergraduate degrees in core areas of health professions, and undergraduate and graduate coursework. The Health Professions Program offerings at the Indianapolis campus cover 10 areas of focus and are designed to train and prepare critical personnel for delivery of wellness and medical care.

Each program is administered by faculty within the related clinical department of IU School of Medicine. These health care professions play a crucial role in the delivery of health care.

| HPP STUDENTS | 268 |
RESEARCH

IU School of Medicine scientists and physicians brought in nearly $150 million in research funding from the National Institutes of Health (NIH) in federal fiscal year 2018—a 10 percent increase over the previous year and a new record for the school. This year’s funding levels maintain IU’s status among the top 33 out of 140 NIH-funded medical schools in the nation.

In the last five years, IU School of Medicine has grown its NIH research funding by more than 54 percent, or over $52 million. The school secured more than $361 million in research funding from all sources in the most recent fiscal year.

Part of the school’s research strategy involves focusing on areas in which IU School of Medicine has significant expertise and the ability to be one of the top programs in the country.

IU School of Medicine is making strategic investments and recruitments in several key areas, including:

• ALZHEIMER’S DISEASE
• MULTIPLE MYELOMA
• TRIPLE NEGATIVE BREAST CANCER
• PEDIATRIC SARCOMA
• MUSCULOSKELETAL HEALTH
• DIABETES

“We are proud to have one of the best medical research schools in the country right here in Indiana, where our faculty are successfully competing for research funding along with the top researchers in the nation. This helps us in achieving our ultimate goal of speeding scientific discoveries that benefit Hoosiers and patients worldwide.”

ANANTHA SHEKHAR, MD, PHD
EXECUTIVE ASSOCIATE DEAN FOR RESEARCH AFFAIRS, IU SCHOOL OF MEDICINE
ASSOCIATE VICE PRESIDENT OF RESEARCH AND UNIVERSITY CLINICAL AFFAIRS
INDIANA UNIVERSITY
INDIANA CTSI
In 2018, the Indiana Clinical and Translational Sciences Institute (CTSI), a statewide research partnership among IU, Purdue University and the University of Notre Dame, was awarded a five-year, $33 million NIH grant renewal to accelerate research from basic science to patient care. The Indiana CTSI, housed at IU School of Medicine, is focused on growing a research talent pipeline, providing research pilot funding, and offering training, education and career development services. The institute also offers core services to researchers across the state, including biostatistics, 3D imaging and biobank facilities.

LED BY INDIANA UNIVERSITY SCHOOL OF MEDICINE, THE IU PRECISION HEALTH INITIATIVE IS IU’S BIG HEALTH CARE SOLUTION, aimed at preventing and curing diseases through a more precise understanding of the genetic, behavioral and environmental factors that influence a person’s health.

The $120 million IU Precision Health Initiative launched in June 2016 as the inaugural recipient of IU’s Grand Challenges program, with bold goals to develop curative therapies for one cancer and one childhood disease and make progress to prevent one chronic illness and one neurodegenerative disease. The initiative also aims to transform biomedical research and education at IU through the hiring of more than 35 new faculty, the growth of research facilities and cores, and the creation of new training opportunities in precision health.

PRECISION HEALTH INITIATIVE HIGHLIGHTS

• Since 2016, Precision Health Initiative leaders recruited more than 30 new research faculty from throughout the country and have built some of the most advanced clinical capabilities in the Midwest.

• Researchers are developing new approaches for treating triple negative breast cancer and multiple myeloma, and they aim to cure more children with pediatric sarcoma.

• The team is working to prevent the onset and progression of Type 2 diabetes in women with gestational diabetes by discovering what biological factors trigger the disease and tailoring treatments to each individual.

• Precision Health Initiative researchers are focused on developing precision-based strategies to treat—and ultimately prevent—Alzheimer’s disease.
NIH GRANT HIGHLIGHTS

EARLY ONSET ALZHEIMER’S DISEASE CONSORTIUM
TOTAL GRANT: $44.9 MILLION
1-YEAR TOTAL: $11.8 MILLION
PRINCIPAL INVESTIGATOR: LIANA G. APOSTOLOVA, MD
The grant allows the development of a network of clinical research sites to study early-onset Alzheimer’s disease, a particularly devastating form of the disease that afflicts people as young as in their 40s.

IU/JAX ALZHEIMER’S DISEASE PRECISION MODELS CENTER
TOTAL GRANT: $25 MILLION
1-YEAR TOTAL: $5 MILLION
PRINCIPAL INVESTIGATOR: BRUCE T. LAMB, PHD
This award provides continued funding for the Model Organism Development & Evaluation for Late-Onset Alzheimer’s Disease consortium (MODEL-AD), a research center focused on developing mouse models for sporadic Alzheimer’s disease used by researchers around the country.

IU SCHOOL OF MEDICINE PEDIATRICS DEPARTMENT GRANT
TOTAL GRANT: $4.1 MILLION
1-YEAR TOTAL: $4.1 MILLION
PRINCIPAL INVESTIGATOR: SOPHIE PACZESNY, MD, PHD
The ST2 antigen was originally identified by Paczesny using proteomic approaches for its role in graft versus host disease (GVHD), a complication that often develops following stem cell transplants when transplanted tissue is received from a genetically different person. Paczesny has published multiple high-profile papers in high-impact journals showing the positive impact of targeting this antigen in GVHD. More recently, she has begun to explore this antigen as a target for antibody-based and CAR-T cell therapies in treating cancers.

INDIANA CENTER FOR MUSCULOSKELETAL HEALTH AT IU SCHOOL OF MEDICINE
TOTAL GRANT: $10.4 MILLION
1-YEAR TOTAL: $2.5 MILLION
PRINCIPAL INVESTIGATOR: LYNDA BONEWALD, PHD
Bonewald, director of the Indiana Center for Musculoskeletal Health, will lead the multi-institution study aimed at showing how communication between muscle and bone can affect overall health. The team is particularly interested in developing therapies for osteosarcopenia, a condition that is marked by the loss of both bone density and muscle mass and is common among older people.
OTHER NOTABLE RESEARCH AWARDS

IMMUNOTHERAPY TREATMENTS FOR CANCER IN CHILDREN, ADOLESCENTS
TOTAL GRANT: $4.1 MILLION
1-YEAR TOTAL: $4.1 MILLION
PRINCIPAL INVESTIGATOR: SOPHIE PACZESNY, MD, PHD
A team of researchers from IU School of Medicine and Memorial Sloan Kettering Cancer Center was awarded a $4.1 million National Cancer Institute “Cancer Moonshot” grant to develop immunotherapy treatments for cancer in children and adolescents, especially those with leukemia. The research promises to achieve more effective, better targeted and less toxic therapies for pediatric cancers.

RESEARCH RELATED TO THE PROGRESSION, RELAPSE OF RARE BLOOD CANCER
TOTAL GRANT: $2.3 MILLION
1-YEAR TOTAL: $586,415
PRINCIPAL INVESTIGATOR: REUBEN KAPUR, PHD
Kapur will research mechanisms that lead to a rare blood cancer called acute myeloid leukemia (AML). He will closely examine the interaction between certain cellular mutations believed to contribute to the development and relapse of AML. The grant was awarded by the National Cancer Institute and will support this project for the next five years.

METASTATIC BONE CANCER RESEARCH
TOTAL GRANT: $1.2 MILLION
1-YEAR TOTAL: $1.2 MILLION
PRINCIPAL INVESTIGATOR: THERESA GUISE, MD
This research aims to increase understanding of the tumor-bone microenvironment’s role on glucose metabolism and the role that a high-fat diet plays in the process. The initial aim of the study involves older mice who have breast cancer that has spread to the bone. The research will evaluate insulin secretion, glucose tolerance, bone loss, muscle function and cancer progression when the mice are fed either a high-fat or low-fat diet. In another phase of the search, Guise will consider different means to stabilize glucose metabolism in obese mice with metastatic bone cancer to prevent metabolic changes that result in diabetes. Data from the first two arms of the study will be applied to information obtained from people with breast cancer that has spread into the bone to validate the similarities in the “molecular cascade” that places patients at higher risk for fractures during treatment.

STUDY ON CHEMOTHERAPY-INDUCED PERIPHERAL NEUROPATHY
TOTAL GRANT: $2.3 MILLION
1-YEAR TOTAL: $447K
PRINCIPAL INVESTIGATORS: JILL FEHRENBACHER, PHD, AND MARK KELLEY, PHD
IU School of Medicine cancer researchers who have been working to lessen the debilitating side effects caused by chemotherapy were awarded $2.3 million to continue their studies. Fehrenbacher and Kelley received a five-year grant from the National Cancer Institute, which will enable them to continue their studies on chemotherapy-induced peripheral neuropathy, or CIPN. The duo and their colleagues will test the effectiveness of a small, targeted molecule called APX3330 to prevent or reverse CIPN caused by cancer drugs in tumor-bearing mice.
### NIH Funding

For Federal Fiscal Year (FFY) Ending September 30

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### Total Awards

For IU Fiscal Year (FY) Ending June 30

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### NIH Ranking

For Federal Fiscal Year (FFY) Ending September 30

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### Publications

Calendar Year (CY)

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CLINICAL CARE

A PARTNERSHIP OF IU SCHOOL OF MEDICINE AND INDIANA UNIVERSITY HEALTH. IU Health Physicians is the most complete, multi-specialty physician practice group in Indiana. Focused on primary and specialty care, IU Health Physicians provides Hoosiers with leading-edge treatments and personalized care.

The mission of IU Health Physicians is to deliver preeminent medical care and service to our patients and communities through outstanding and innovative medical leadership and practice, while participating in and supporting excellence in education and research.

IMPROVING THE HEALTH OF INDIANA’S CITIZENS
The first priority of IU School of Medicine’s 2018-2022 strategic plan is “to improve the health of Indiana’s citizens.” The school has set goals to improve Indiana’s Mental Health in America overall ranking, reduce infant and maternal mortality, improve cancer prevention and detection rates, and decrease cancer mortality rates.

IU School of Medicine Vision Statement
IU School of Medicine will lead the transformation of health care through quality, innovation and education and make Indiana one of the nation’s healthiest states.

MENTAL HEALTH CARE
IU School of Medicine is working closely with its clinical partners statewide to address the recognized need for additional psychiatrists, psychologists and other mental health providers throughout Indiana and thereby improve access and outcomes of mental health assessment, support and treatment.

INFANT MORTALITY
In the United States, Indiana ranks among the highest for the number of babies who die before their first birthday. IU School of Medicine is committed to addressing infant mortality issues in Indiana and improving the survival rate for the state’s youngest citizens.

CANCER MORTALITY
IU School of Medicine faculty investigators are working diligently to improve population health in Indiana. With funding from the IU Grand Challenges program, Precision Health Initiative researchers are focused on diseases with particularly negative impacts in the state, including some of the most challenging cancers: multiple myeloma, triple negative breast cancer and childhood sarcoma.

| PHYSICIANS | 1,821 (MAY 2019) |
| FTE PHYSICIANS | 1,574 (MAY 2019) |
| UNIQUE PATIENTS | 762,082 (12 MONTHS THROUGH MAY 2019) |
| OUTPATIENT VISITS | 1,360,689 (12 MONTHS THROUGH JUNE 2019) |

*Statistics provided by IU Health Physicians
FACULTY AND STAFF VITALITY

AT THE HEART OF IU SCHOOL OF MEDICINE ARE ITS PHYSICIANS AND RESEARCHERS—A CONTINGENT OF WORLD-CLASS MINDS HELPING SOLIDIFY THE SCHOOL’S STATUS AS A LEADER IN HEALTH CARE.

With future success in mind, IU School of Medicine and IU Health Physicians announced in 2019 the creation of an inaugural position focused on fostering a culture of wellness across the school. Jennifer L. Hartwell, MD, was named the new associate dean for wellness at Indiana University School of Medicine and chief wellness officer for IU Health Physicians. An assistant professor with the Department of Surgery and trauma and acute care staff surgeon with IU Health Physicians, Hartwell is recognized as an emerging expert on the topic of work-life balance and wellness.

In her new role, Hartwell will lead innovative, coordinated and aligned initiatives to address physical, emotional, intellectual and social wellness needs. Hartwell’s vision for the scope of the position goes far beyond developing a program focused on wellness—she is striving for a shift in the paradigm.

“I feel called to the role of chief wellness officer because of my personal experience with early career disillusionment and the process of walking alongside some of my friends and colleagues who have found themselves struggling. I believe that each of us is crucial in building strong and thriving relationships, communities and systems. I am humbled to be given this opportunity to share my heart and my vision and to build on the very good work that has already been started here.”

JENNIFER L. HARTWELL, MD
ASSOCIATE DEAN AND CHIEF WELLNESS OFFICER
FACULTY AND STAFF VITALITY

6,704
FACULTY MEMBERS

- VOLUNTEER (3,273)
- AFFILIATE (992)
- CLINICAL (902)
- OTHER (721)
- TENURE (643)
- SCIENTIST (173)

1,882
STAFF MEMBERS
IU SCHOOL OF MEDICINE IS COMMITTED TO PREPARING HEALERS AND TRANSFORMING HEALTH. DOING SO DEPENDS ON THE GENEROUS SUPPORT OF DONORS.

Though a public medical school, the state of Indiana funds only about 10 percent of IU School of Medicine’s operating costs. Philanthropic gifts are vital for the school to train expert physicians and accelerate research that improves care for cancer, dementia, diabetes and other devastating diseases. Financial gifts support new and ongoing research at IU School of Medicine research centers and faculty labs. Through donor gifts, senior-level and newly recruited researchers alike are able to contribute to groundbreaking discoveries in critical areas of medicine. Many different funds are available to enable donors to advance a program with personal significance.

<table>
<thead>
<tr>
<th>NEW ENDOWMENTS</th>
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<tbody>
<tr>
<td>CHAIRS</td>
<td>49</td>
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<tr>
<td>PROFESSORSHIPS</td>
<td>43</td>
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<tr>
<td>SCHOLARSHIPS</td>
<td>127</td>
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<tr>
<td>TOTAL COMMITMENTS FOR NEW ENDOWMENTS</td>
<td>$172 Million</td>
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*Numbers reflect time period of April 1, 2013 – June 30, 2019