

2018

annual report



THE FLORIDA STATE UNIVERSITY
COLLEGE OF MEDICINE



MISSION

*The Florida State University College of Medicine will educate and develop exemplary physicians who practice patient-centered health care, discover and advance knowledge, and are **responsive to community needs**, especially through service to elder, rural, minority and underserved populations.*





When people ask me how things will change in the next five to 10 years here at the FSU College of Medicine, one of my frequent responses is: “I don’t want to change.” I’m not resistant to change, and I recognize the need to continuously improve what we do. But our relentless focus on our unique mission is what makes us special. Producing the doctors that

Florida needs in underserved and underrepresented areas, being “responsive to community needs,” is what differentiates us from most other medical schools. That is what I don’t want to see change – ever.

That being said, 2018 has been another busy year of advances and challenges. Yes, another year of change. In these pages, you’ll read about our commitment to our communities’ needs in the following areas:

- After Hurricane Michael devastated our communities west of Tallahassee, the response provided a clear example of why we need physicians who choose to practice in small towns. In some cases, primary care was the only thing left after hospitals were damaged. During and after the storm, our alumni were a vital part of both health-care delivery and recovery.
- We broke ground on our new FSU PrimaryHealth building, which will provide a visible commitment to an under-served area of southwest Tallahassee. We are busy hiring several new physicians who will help staff this clinic along with our present clinical and behavioral medicine faculty members.
- Our first class of PA students completed their 15-month pre-clinical phase and moved to the regional campuses for a year of clinical experiences. Our second class

has done well in its first full semester, and we’re preparing for the next phase of accreditation next fall. This highly successful program is attracting great candidates who like our model and our program.

- We kicked off a yearlong preparation for our April 2019 accreditation site visit from the Liaison Committee on Medical Education. Multiple committees are working hard to demonstrate once again that our community-based, distributed model of medical education is working very well.
- Graduate medical education continues to be a successful enterprise for us. In Winter Haven we added a new family medicine residency program, which is preparing for its accreditation site visit in 2019. Our newly accredited emergency medicine program in Sarasota has been interviewing graduating medical students, preparing to match its first class in March.
- Once again, we are a Higher Education Excellence in Diversity (HEED) Award winner among schools in health professions, reflecting our intentional efforts to support our communities by producing the physicians likely to practice there.
- We now have more graduates in practice than we do in residency or fellowship training, a nice reflection of our maturity with 14 graduating classes to date. You’ll see inside where they’re practicing and how they’re living our mission.
- Speaking of maturity, some of our early faculty members and campus deans are retiring. We’ve hired a new dean in Sarasota and started a search for a new regional dean in Orlando.

The College of Medicine continues to grow and thrive. I feel blessed and thankful every day for the great students, staff and faculty who make that happen. Happy 2019.

John P. Fogarty, M.D.
Dean

A handwritten signature in black ink, reading "John P. Fogarty". The signature is fluid and cursive, with the last name being more prominent.



HOW WE'RE UNIQUE

- We're community-based. Instead of learning in an academic medical center, seeing only the sickest patients and learning largely from residents, our students learn one-on-one from community health-care providers in their offices, clinics and other outpatient settings as well as in area hospitals. Those communities are all over the state, near our six regional campuses and our rural/clinical training sites.
- We're mission-driven. A large part of our mission (*see inside front cover*) is to serve the underserved. That starts with choosing the right students. Test scores matter, but so do other factors, such as where they grew up, what motivates them and how they've already served the community. We immerse them in a culture that values diversity, mutual respect, teamwork and open communication – and prepares them to become lifelong learners.
- We're focused on primary care. Through 2018, more than half of our M.D. alumni matched in one of these primary-care specialties: internal medicine, family medicine, pediatrics or obstetrics-gynecology. Most of our alumni now practicing in Florida are in primary care, and a good percentage of those are in rural or other underserved settings, where recruiting new physicians can be a challenge.



ACADEMIC DEGREES

- M.D. • Ph.D. in Biomedical Sciences • M.S. in Biomedical Sciences–Bridge to Clinical Medicine Major • M.S. in Physician Assistant Practice • B.S. in Interdisciplinary Medical Sciences

FACILITIES

- On the main campus, the College of Medicine's two buildings (including a research building) total 300,000 gross square feet.
- Adding in the leased or owned buildings at the regional campuses and the Immokalee rural training site brings the total to more than 376,000 square feet.
- A new 10,000-square-foot primary-care health center (FSU PrimaryHealth) is nearly complete and will open soon.

STUDENTS (as of Dec. 31, 2018)

- Medical students: 478
133 minorities underrepresented in medicine*; 189 minorities in all (including Asian)*; 468 Florida residents; 257 women; and 220 men
- Bridge students: 14
11 minorities underrepresented in medicine*; 13 minorities in all (including Asian)*; 14 Florida residents; 13 women; and 1 man
- PA students: 90
26 minorities underrepresented in medicine*; 33 minorities in all (including Asian)*; 85 Florida residents; 66 women; and 24 men
- Ph.D. students: 43
16 minorities in all (including Asian)*; 29 women and 14 men
- Postdoctoral fellows: 13
9 minorities in all (including Asian)*; 6 women and 7 men

*(AMCAS – AAMC application)

QUICK FACTS

M.D. ALUMNI *(as of Dec. 31, 2018)*

Total: 1,255. More than 700 are now in practice and 56 percent of those are seeing patients in Florida. *(More details about our alumni and how they are being responsive to community needs, starting on page 12.)*

FACULTY *(as of Dec. 31, 2018)*

- Full-time: 162
- Part-time: 2,693

REGIONAL CAMPUSES AND TRAINING SITES

- Students spend the first half of their College of Medicine experience at the main campus in Tallahassee. Then they branch out across the state, working alongside and learning from community providers at one of the college's regional campuses or training sites.
 - Daytona Beach Regional Campus • Fort Pierce Regional Campus • Orlando Regional Campus • Pensacola Regional Campus • Sarasota Regional Campus • Tallahassee Regional Campus • Marianna Rural Program • Immokalee Health Education Site • Thomasville (Georgia) Program
- The college partners with more than 90 health-care organizations statewide and more than 2,700 physicians to provide clinical training to our students.
- See contact information on page 31

ACADEMIC DEPARTMENTS

- Behavioral Sciences and Social Medicine • Biomedical Sciences • Clinical Sciences • Family Medicine and Rural Health • Geriatrics

ACADEMIC CENTERS AND INSTITUTES

- Area Health Education Center • Autism Institute • Center for Behavioral Health Integration • Center for Brain Repair • Center for Child Stress & Health • Center on Global Health • Center for Innovative Collaboration in Medicine and Law • Center for Medicine and Public Health • Center on Patient Safety • Center for Rural Health Research and Policy • Center for Strategic Public Health Preparedness

RESIDENCY PROGRAMS *(as of Dec. 31, 2018)*

The College of Medicine sponsors residency programs in dermatology (Tallahassee), emergency medicine (Sarasota), family medicine (Fort Myers and Winter Haven), general surgery (Tallahassee) and internal medicine (Sarasota and Tallahassee). The college also sponsors fellowships in family medicine global health (Fort Myers) and micrographic surgery and dermatologic oncology (Tallahassee). *(Read more about these programs starting on page 33, or by visiting med.fsu.edu/gme.)*

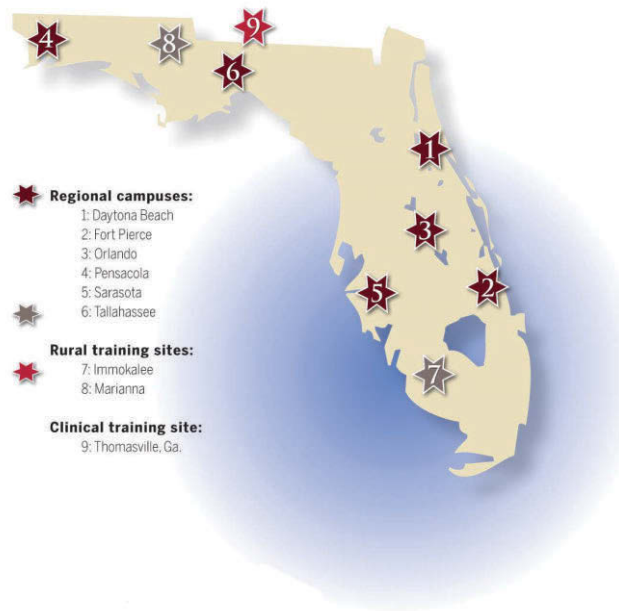
CONTACT US

Main campus
1115 W. Call St.
Tallahassee, FL 32306-4300
850-645-1855
info@med.fsu.edu
med.fsu.edu



SCHOOL OF PHYSICIAN ASSISTANT PRACTICE

The first class of 40 PA students arrived in 2017, after the program earned provisional accreditation from the Accreditation Review Commission on Education for the Physician Assistant. The challenging 27-month program was designed to prepare graduates to practice medicine as part of the physician-PA team. The first class is scheduled to graduate in January 2020. Fifty students joined the second class in 2018. The third class will increase to the maximum of 60 students.



BRIDGE TO CLINICAL MEDICINE PROGRAM

The Bridge program is designed to expand the pool of successful medical school applicants from medically underserved, rural and inner-city communities. It is a 12-month program that provides both education in medical knowledge and experiences in clinical practice.

INTERDISCIPLINARY MEDICAL SCIENCES PROGRAM

This program, established in 2016 with the cooperation of six other FSU colleges, is designed for undergraduates interested in health-related careers. A rigorous science curriculum serves as its foundation, and students may select one of three interdisciplinary majors that fits their developing career goals.



M.D. CLASS OF 2022 SNAPSHOT

- Applications for this class of 120 totaled 7,178.
- Once again, women outnumber men.
- Fifteen students are Spanish/Hispanic/Latino, 15 are black, nine are Asian and five are Asian Indian.
- Thirty students come from the Florida Panhandle – the region whose physician shortages helped inspire the creation of this medical school.
- Five students come from counties classified as rural.
- Twenty percent define themselves as disadvantaged.
- Most students did their undergrad work at Florida State (59), followed by the University of Florida (21).
- The top majors are biology (46), exercise physiology (14) and a four-way tie involving biomedical science, chemistry, exercise science and psychology (7 each).
- But it's not always that straightforward. Consider the journey of Habib Behjatnia: "Habib started off wanting to be a piano performance major. After a change of heart, he decided to double-major in Molecular, Cellular and Developmental Biology (B.S.) and Near Eastern Languages and Civilizations (B.A.) and minor in music.... Habib hopes to use the experiences he has acquired studying music and the humanities to help him become a patient-centered physician who values both the artistic and scientific aspects of medicine."
- All of these students have worked or volunteered in health care, whether as a medical support technician at FSU's student clinic, a volunteer at a children's hospital, a translator for Hispanic patients, a cardiopulmonary rehab exercise specialist, a medical records custodian, a first responder, an Army medic in Iraq or...



- They've done research on aging, anxiety, child development, diabetes, obesity in rural communities, PTSD in kids, epilepsy, smoking cessation, coral reef health and more.
- They've volunteered for groups such as Relay for Life, Alzheimer's Project, Dance Marathon at FSU, Camp Boggy Creek (for children with chronic conditions), FitforAll (personal trainers for adults with disabilities), Habitat for Humanity.
- They've volunteered in Togo, Ghana, India, Laos and Brazil's Amazon River region. They've taught math in Gadsden County, taught American Sign

Language at an elementary school, worked on a suicide hotline and created a small online business to empower women.

- For many, personal and family experiences have played a role in their career path. Ashley Saint-Cyr's profile, for example, explains that her parents "suffer from diabetes and hypertension, and she wishes to better educate the Haitian and immigrant population so they can better care for their health."
- Matthew Rosen owns a small lawn-care service and enjoys auto mechanics.

- Logan Reed says a few of his favorite things are mountaineering, high-performance go-karting, piloting, fishing, hunting, skiing, golfing and exercising.
- They've belonged to fraternities, sororities and honor societies. They've worked at Home Depot, spent 10 years in the Navy as an avionics technician, joined the FSU Equestrian Club and the FSU Surf Club. They enjoy hiking, biking, sailing, soccer, lacrosse, playing guitar and [our favorite] taking care of a miniature dachshund named Scooter.

QUICK FACTS



PA CLASS OF 2020 SNAPSHOT

- Applications for this class of 50 totaled 1,210.
- Sixty-eight percent of the class is white; 16 percent is Hispanic; 6 percent is Asian; and 6 percent is black.
- Women outnumber men more than 2 to 1.
- Nearly half of the students come from a Health Professional Shortage Area.
- Nearly 40 percent come from a Medically Underserved Area/Population.
- All but three are Florida residents.
- Nearly 20 percent are from rural areas.
- Nearly a third are from the Panhandle.
- Nearly a third are the first college graduate in the family.
- Nearly half did their undergrad work at FSU. Among the other schools represented are UCF, USF, Duke, LSU and Xavier.
- All had health-care experience that led them here. For example, nurse's aide, EMT, medical scribe, mental health technician, patient care assistant, sight aide for blind patients, physical therapy technician, research coordinator at a cancer center, fetal and infant mortality investigator.

- Among their specialty interests are surgery, orthopedics, wilderness and travel medicine, family medicine, sports medicine, serving minority and underserved communities and being "the best health-care professional" they can be.
- Of course, these are not one-dimensional people. Among their sports achievements are playing and coaching men's tennis, playing women's soccer and being a three-time NCAA national champion on the women's golf team at Duke. And in their free time, they enjoy such activities as dancing, cooking, traveling, hiking, kayaking, going to the gym, writing music, running and reading. And one was even involved in FSU's Belly Dancing Troupe.
- They've helped others through mentoring and tutoring, and through volunteering with such organizations as Relay for Life, Light the Night, Dance Marathon at FSU, Kearney Center for the homeless, Habitat for Humanity, Childhood Cancer Foundation, Miami Cares and Brain Fair, and through medical outreach trips to Peru and elsewhere.

- Here's an excerpt from one compelling profile, for Erika McClain: "While studying in Lille, France, in a chemistry lab focused on breast cancer research, and attending numerous conferences, she gleaned an appreciation and understanding of global medicine and its universal impacts. Upon returning to the States, Erika began working as a medical assistant and recognized the invaluable roles of the physician assistant and started her journey to PA school."







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AFTER THE HURRICANE: 'RESPONSIVE TO COMMUNITY NEEDS'

Long before there was a medical school at Florida State, plans were being debated to address the critical shortage of health-care providers in the Florida Panhandle. The first in-depth “solution” was to start FSU’s Program in Medical Sciences (PIMS), increasing the opportunity for more students from underserved communities in the Panhandle to make their way into medical school.

Later, the Florida Legislature (led by the late Durell Peaden, a physician from Crestview, and Speaker of the House – and current Florida State President – John Thrasher) approved the FSU College of Medicine as a way to further address needs of medically underserved communities throughout Florida.

Today, more than 100 FSU medical alumni are practicing in the Panhandle. Most days, they are providing ordinary health care in places where recruiting new physicians has always been a challenge.

And then there are the extraordinary days.

When Rachel Bixler and Josh James earned their M.D. degrees at Florida State, there was no course called “What to Do if a Ferocious Storm Devastates the Town Where You Practice.” Now, practicing in direct-hit Port St. Joe and Panama City, they could teach such a class.

So could Mary Watson, practicing in Blountstown. And Kim Landry, practicing in Gulf Breeze. And Robin Albritton, practicing in Marianna. And Matthew Buck, practicing in Bainbridge, Georgia.



Josh James and Rachel Bixler

They were among the College of Medicine and PIMS alumni who helped Panhandle communities bounce back from the wrath of Hurricane Michael, which has been blamed for at least 43 deaths in Florida. The storm developed so fast. Sunday, it had been a tropical depression. Monday, coastal communities were told they had 24 hours to evacuate. Tuesday, they were told this storm was a monster. Wednesday, Oct. 10, the monster arrived.

With 150-mph winds and waves powerful enough to slice Cape San Blas in half, the storm began its march through the Panhandle by flattening much of Port St. Joe and next-door Mexico Beach. It knocked out St. Joe’s power, water, sewer and pharmacies; it knocked over trees, homes and steeples. Ignoring the weather rulebook, it refused to weaken as it crossed over land. The winds howling through Blountstown, Marianna and even as far north as Bainbridge knocked over thousands of trees and did heartbreaking damage.

But these and other alumni were living out a phrase in our mission statement: to be “responsive to community needs.” Their banged-up communities suddenly had a boatload of needs and only a handful of resources. Our alumni had



Matthew Buck



- Landry put technology to work by practicing telemedicine for storm survivors in Panama City, more than 100 miles away from his office.

These communities have newfound appreciation for their physicians. And vice versa. Several alumni said this experience reaffirmed their decision to practice small-town medicine.

their training, their experience, their commitment and their communities' spirit. That was enough. For example:

- Watson worked five days straight as the only M.D. in the ER of Calhoun-Liberty Hospital – which lost part of its roof but never closed its doors.
- Bixler made house calls to provide bare-bones face-to-face doctoring, and she and James both practiced medicine in a tent at Mexico Beach.
- Albritton oversaw the evacuation of 42 patients from Jackson Hospital, carried to safety by a caravan of ambulances that drove all night from Tennessee.
- Buck, in addition to caring for his young patients, skillfully wielded a chainsaw after the storm roared 100 miles inland.



Mary Watson

“We have very many people in our community who lost their home, they lost their place of work, they lost their place of worship, they lost their gas station and their grocery store and the places where they shop and where they celebrate, they lost literally everything,” Bixler said. “And to see those community members come together and literally give the shirt off their own back to someone else, that’s where a community’s heart is. And it’s still here. Even though it’s broken and battered, it’s still here.”



IN THEIR OWN WORDS

College of Medicine Dean John P. Fogarty likes to say that the College of Medicine has always had wonderful stories, but now has the data to back those stories up. He's never been more correct in that assessment than in the wake of the devastating hurricane of October 2018.

There are countless stories of heartbreak. There are nearly as many heartwarming stories of people helping one another. Many of those stories involve the alumni physicians practicing in these communities. You can read some of those stories in greater detail by visiting med.fsu.edu/2018.

Meantime, here is some of that data Dr. Fogarty referred to, telling in numbers the story of a medical school fulfilling its mission.

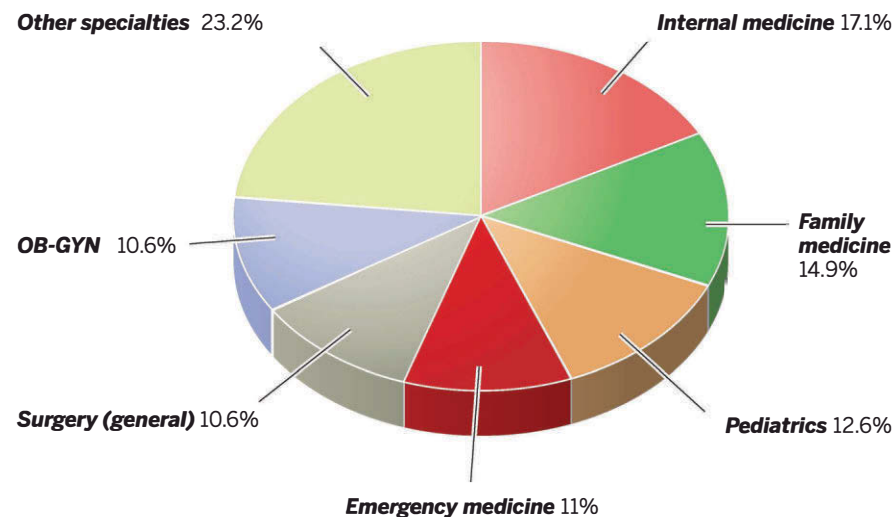


ALUMNI - AT A GLANCE

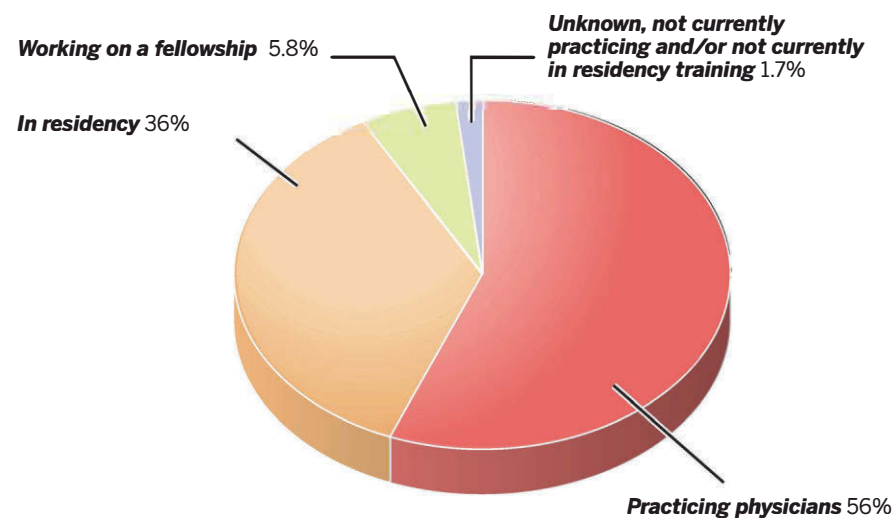
(As of Dec. 31, 2018)

- First class graduated – 2005.
- 700 current practicing physicians (of 1,255 alumni).
- 54 percent of those in practice are in primary care specialties (including internal medicine, family medicine, pediatrics and OB-GYN).
- 56 percent of the alumni physicians in practice are in Florida or a Florida border county (379 in Florida, eight in Georgia, and six in Alabama). Seven of those practicing in Georgia are in or near Thomasville, where the College of Medicine has a clinical training site.
- 55 percent (215 physicians) in Florida or a border county are practicing primary care.
- 151 of our alumni physicians practicing in Florida are in one of our regional campus communities.
- 106 alumni physicians are located in the Florida Panhandle from Perry to Pensacola or in a Georgia or Alabama border county.
- 88 alumni are on the College of Medicine clinical faculty.

MATCH DAY RESULTS, 2005-2018



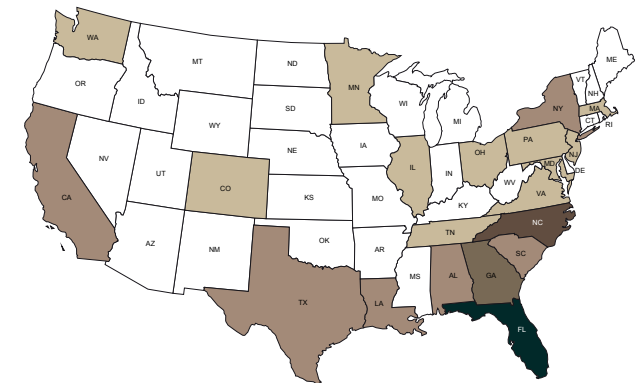
COLLEGE OF MEDICINE ALUMNI (2005-18)



OTHER STATES WITH THE MOST ALUMNI IN PRACTICE

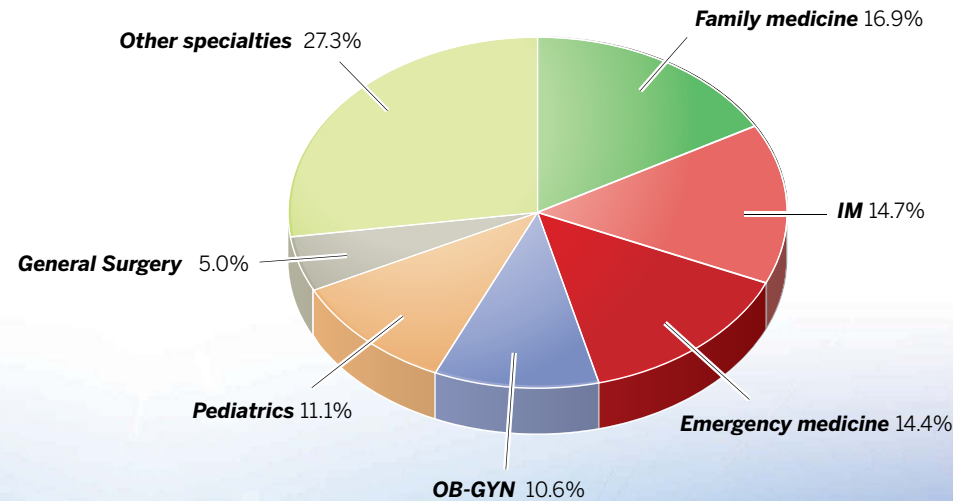
Classes of 2005-2018

	STATE	ALUMNI
1:	North Carolina	36
2:	Georgia	35
3:	California	27
4:	Texas	24
5:	Alabama	18
6:	New York	14
7:	South Carolina	12
	Louisiana	12
9:	Tennessee	11
	Virginia	11
11:	Maryland	10
12:	Washington	9
	Illinois	9
14:	Pennsylvania	8
	Washington, D.C.	8
16:	Ohio	7
17:	Colorado	6
	New Jersey	6
19:	Massachusetts	5
	Minnesota	5

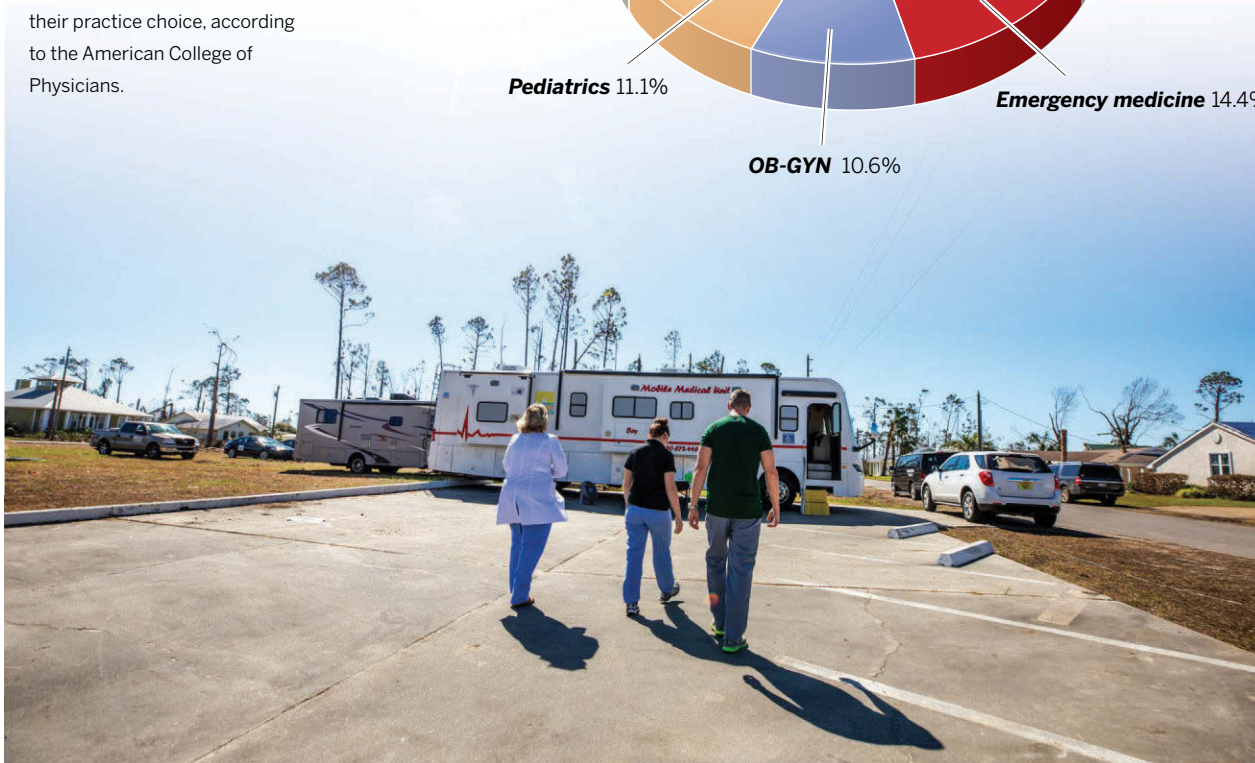


(Maine, Michigan, Oregon, Wisconsin – 3; Indiana, Kentucky, Mississippi – 2; 1 in Alaska, Arizona, Arkansas, Connecticut, Hawaii, Kansas, Missouri, Nevada, New Hampshire, North Dakota, Oklahoma, Rhode Island and Vermont. Some practice, at least part of the time, in Cuba, Haiti, Peru, Austria, Turkey, Australia and New Zealand.)

ALUMNI IN PRACTICE (BY SPECIALTY)



Sixty-three percent of FSU alumni who have completed internal medicine residency programs are today practicing in that specialty. The remainder entered fellowships and a subspecialty. This is a significant statement about the College of Medicine's effort to produce more primary care physicians. Nationally, only about 25 percent of all internal medicine residents choose to continue into general medicine as their practice choice, according to the American College of Physicians.



FSU COLLEGE OF MEDICINE ALUMNI PRACTICING IN FLORIDA (OR IN BORDER COUNTIES OF NEIGHBORING STATES)

NAME	LOCATION	SPECIALTY	NAME	LOCATION	SPECIALTY
Class of '05			Class of '07		
Christie Alexander**	Tallahassee	Family medicine	Robin Albritton**	Marianna	Family medicine
Kerry Bachista	Jacksonville	Emergency medicine	Sady Alpizar	Clearwater	Internal medicine
Julie Barré	Sarasota	Orthopedic surgery	Tristan Altbuch	Gainesville	Orthopedic surgery
David Bojan	Plantation	Emergency medicine	Shazia Aman	Orlando	Cardiovascular disease
Garrett Chumney**	Blountstown /Tallahassee	ER/ Family medicine	Jorge Barrero	Fort Lauderdale	Nephrology/hypertension
Shayla Gray**	Tallahassee	Behavioral health/ Family medicine	John Beach	Fort Lauderdale	Emergency medicine
Fawn Harrison**	Sarasota	Pediatrics	Christopher Bingham	Tampa	Hospitalist
Michael Hernandez	Jacksonville	Hospitalist	Sandy Calle	North Miami	Pediatrics
Alex Ho**	Tallahassee	Emergency medicine	Shani-Kay Chambers	Winter Haven	Pediatrics
Joda Lynn	Perry	Emergency medicine	Erin Connelly	West Palm Beach	Pediatrics
Javier Miller**	Orlando	Urology	Robert Crescentini	Plant City	Hematology
Jason Rocha	Pensacola	Orthopedic surgery	Margaret Davis Hovda	Jacksonville	Internal medicine/critical care
Neil Rodgers	Lakeland	Emergency medicine	Andrew Gamenthaler**	Daytona Beach	General surgery
Lorna Stewart	Orlando	Hospitalist	Rosemary Garcia Getting	Tampa	Anesthesiology
			Roberto Gonzalez	Miami	Interventional endoscopy
			Charles-Eric Hotte	Oakland Park	Gastroenterology
			Timothy Kubal	Tampa	Oncology/hematology
			Adam Langley**	Ocoee	Family and sports medicine
			Kyle Moyles**	Melbourne	Orthopedic surgery
			Savita Pai	Jacksonville	Internal medicine
			Pragnesh Parikh	Jacksonville	Cardiologist
			Nishita Patel **	Daytona Beach	Ophthalmology
			Bina Patel-Elio	Tampa	Family medicine
			Josef Plum	Tallahassee	Family medicine
			Kristen Shepherd**	Sarasota	OB-GYN
			Beau Toskich	Jacksonville	Interventional oncology radiology
			Gary Visser**	Ocoee	Family and sports medicine
			Brandy Willis**	Tallahassee	Family medicine
Class of '06			Class of '08		
Jason Acosta**	Maitland	Anesthesiology	George Amyradakis	Winter Park	OB-GYN
Sandra Brafford	Tallahassee	Family medicine	Jessica Auffant**	Orlando	OB-GYN
Kara Brooks	Crestview	Family medicine	Murray Baker	Tallahassee	Emergency medicine
Scott Brotherton	Palm Harbor	Orthopedic surgery	Matthew Buckler	Orlando	Diagnostic radiology
David Drossner	Palm Beach Gardens	Pediatric cardiologist	Kristin Caldwell	Jacksonville	OB-GYN
Zaher Elmir	Leesburg	General surgery	Ashley Cauthen	Ocala	Dermatology
Jason Farrah	Ocala	General surgery	Charles Clark III	Gainesville	Retina specialist
Brian Gibson	Panama City	Otolaryngology	Paola Dees	St. Petersburg	Pediatrics
Manny Herrera**	Orlando	OB-GYN			
Victor Hultstrand	Pensacola	OB-GYN			
Luis Izquierdo	Orlando	Otolaryngology			
Melissa Launder	Port Richey	Family medicine			
Matthew Lee**	Tallahassee	Orthopedic surgery			
Stephanie Lee**	Tallahassee	OB-GYN			
Mark Leyngold	Gainesville	Plastic surgery			
Kevin McLean	Orlando	Diagnostic radiology			
Aaron Nordgren	Sunrise	Diagnostic radiology			
Stelio Rekkas**	Bradenton	General surgery			
Regan Rostorfer**	Orlando	Hematology/oncology			
Chris Sundstrom**	Tallahassee	OB-GYN			
Luc Tran	Trinity	Psychiatry			
Esther Vildor-Dazil	Jacksonville	Internal medicine			

NAME	LOCATION	SPECIALTY	NAME	LOCATION	SPECIALTY
Tanya Evers**	Tallahassee	OB-GYN	Irmanie Hemphill	Tallahassee	Family medicine
Griffin Gaines	Bradenton	Cardiology	Luis Hernandez	Miami	Colorectal surgery
Andrew Galligan	Tampa	Pediatric hematology/ oncology	Alisa Holland	Tampa	Internal medicine
Nathanael Hawkins	Apalachicola et al.	Emergency medicine	Nowoghomwenma Ibie	Dothan, Ala.	Nephrology
Patrick Hawkins**	Bonifay	Family medicine	Jonathan Journey	Orlando	Emergency medicine
Lindsay Hinson-Knipple	Tampa	OB-GYN	Steele Lancaster	Tallahassee	Hospitalist
^Adam Huddleston	Daphne, Ala.	Radiation oncology	Jada Leahy	Pensacola	General surgery
Kathryn Hunt	Pensacola	Family medicine	Erin Mariano	Ocala	Orthopedic surgery
Marie Jeoboam	St. Petersburg	Family medicine	Jennifer Maziad**	Maitland	Anesthesiology
Kristi Killingsworth	Maitland	Family medicine	Langdon Morrison	Venice	Emergency medicine
Janet McNaughton	Sarasota	Pathology	Natalie Munoz-Sievert	Orlando	OB-GYN
Amy Neal**	Tallahassee	Family medicine	Teresa Nodal	Miami	Pediatrics
Michelle Norden**	Lake Mary	Pediatrics	Stephanie Prada	Melbourne	Internal medicine
Aarti Patel	Tampa	Cardiovascular science	Shannon Roberts Morrison	Venice	Emergency medicine
Anjan Patel**	Sarasota	Hematology/oncology	Richard Rodriguez	Tampa	Emergency medicine
Randa Perkins	Tampa	Medical Informatics	Lauren Ruoss	Gainesville	Neonatology
Ivan Porter	Jacksonville	Nephrology/hypertension	Leslie Sanders**	Pensacola	OB-GYN
Charles Ritchie**	Jacksonville	Radiation oncology	Lydia Snyder	Jacksonville	Ped. Endocrinology
Sarah Ritchie	Jacksonville	Pediatrics	Melanie Thomas	Pensacola	Endocrinology
Amanda Shearer	Tallahassee	Family medicine	Stephen Viel**	Daytona Beach	Emergency medicine
Seth Smith	Gainesville	Family medicine	Mai Vo**	Orlando	Critical care
John Streacker	Tallahassee	Family/Emergency medicine	Aaron Wagner	Pembroke Pines	Vascular surgery
Liberty Taylor**	Tallahassee	Anesthesiology	^Jennifer Walker**	Fairhope, Ala.	Pediatrics
Marla Trapp**	Jacksonville	Geriatrics	Mary Watson	Blountstown	Emergency medicine
Cody VanLandingham	Tallahassee	Family medicine	Brian Zirgibel**	Tallahassee	General surgery
Johnny Washington	Jacksonville	Orthopedic surgery			
Anne Whitlock**	Santa Rosa Beach	OB-GYN			
Nikita Wilkes	Jacksonville	OB-GYN			
Jeremy Williams	Lakeland	Emergency medicine			
Class of '09			Class of '10		
Ellen Abellana	Orange Park	Anesthesiology	Brandon Allen	Gainesville	Emergency medicine
Shawn Agee	Jacksonville	Retina specialist	Allessa Allison	Pensacola	OB-GYN
Taalibah Ahmed	Cutler Bay	OB-GYN	Tanya Anim+*	Fort Myers	Family medicine
Ryan Baker**	Sarasota	Family medicine	Thomas Babcock**	Pensacola	Otolaryngology
George Barrio	Panama City	Neurology	Megan Bagwell**	Daytona Beach	OB-GYN
Christina Brennan	St. Augustine	Dermatology	Kristen Barrie Williams	Tampa	Anesthesiology
Casey Carrigan	Jacksonville	Neurohospitalist	Marjorie Bhogal **	Daytona Beach	OB-GYN
Maria Castilla	Punta Gorda	General surgery	Adam Branoff	Fernandina Beach	Emergency medicine
Jeffrey Chiu	Orlando	General surgery	^Matthew Buck**	Bainbridge, Ga.	Pediatrics
^Elving Colon**	Thomasville, Ga.	Family medicine	^Brittany Crenshaw**	Thomasville, Ga.	Internal medicine
Leslie Davis-Singletary	Jacksonville	Hospitalist	Elizabeth Dickens**	Quincy	Family medicine
Mark Gallagher**	Stuart	Emergency medicine	Brian Gadbois	Tampa	Psychiatry
Amy Harrison	Tallahassee	Family medicine	Tracy Graham**	Tallahassee	Emergency medicine
			Jennifer Gutierrez	Orlando	Anesthesiology
			Marc Gutierrez**	Maitland	Anesthesiology
			Shoshana Hacker**	Port St. Lucie	General surgery
			Michael Hall	Miami	Radiation oncology
			William Hammond	Jacksonville	Hematology

NAME	LOCATION	SPECIALTY	NAME	LOCATION	SPECIALTY
Mariam Hanna	Gainesville	Diagnostic radiology	Kathleen Crick	Orlando	Pediatrics
Mary Hilal Quarterman**	Orlando	Internal medicine	Jeffrey Cummings	Tampa	Internal medicine
Bernice Hippolyte	St. Petersburg	Family medicine	Komal D'Souza	Tampa	Family medicine
Glenn Hoots	Tampa	Interventional radiology	Shannon Davis	Miami	Internal medicine
Noureen Idrees-Asad**	Boca Raton	Pediatrics	Rafael de la Puente**	Sarasota	Emergency medicine
Arif Ishmael**	Stuart	Gastroenterology	Jonathan Dean**	Daytona Beach	General surgery
Carolyn Johnstone	Naples	Emergency medicine	Juline Deen	Gainesville	OB-GYN
Diana Krblich	Sarasota	Family medicine/urgent care	Justin Deen	Gainesville	Orthopedic surgery
William Long	St. Augustine	Emergency medicine	Christopher Dixon	Orlando	Maternal and fetal med.
Meghan Martin	St. Petersburg	Pediatrics	Marlisha Edwards**	Tallahassee	Family medicine
Molly McIntyre	New Port Richey	Emergency medicine	Mark Elliott	Pensacola	Orthopedic surgery
^Lesley McPeak	Kings Bay, Ga.	Pediatrics	Vanessa Escobar	Seffner	Family medicine
Maureen Mendoza	Miami	Pediatrics	Veronica Finnegan Carden	Pensacola	Radiation oncology
Heidi Neal Kenney	Jacksonville	Emergency medicine	Desmond Fitzpatrick	Gainesville/Lake County	Emergency medicine
Chiaka Oparaocha	Orlando	Hospitalist	Matthew Frankel	Lecanto	Psychiatry
Nora Pepper-Horton**	Tallahassee	Pediatrics	Vaishali Gajera	Miami	Anesthesiology
Phung Pham	Plantation	Anesthesiology	Miriam Gamble	Tampa	Emergency medicine
Vanessa Prowler	Lakeland	Breast surgical oncology	Ivey Gayahan	Clearwater	Pediatrics
Kate Ross**	Sarasota	Dermatology	Jessica Gershen**	Daytona Beach	Emergency medicine
Christopher Sherman	Clearwater	Urology	Daniel Gordon	Safety Harbor	Family medicine
Anthony Sochet	St. Petersburg	Pediatrics	Tashara Gray	Melbourne	Pediatrics
Kristin Sochet	St. Petersburg	Family medicine	Monique Gray-Jefferson	Jacksonville	Family medicine
Ryan Suplee	Sarasota	Vascular surgery	Stacia Groll	Tallahassee	Family medicine
Kelly Unkrich	Jacksonville	Ophthalmology	^Cianna Hatfield	Thomasville, Ga.	General surgery
Vanessa Vasquez	West Palm Beach	Emergency medicine	^Jackson Hatfield	Thomasville, Ga.	Family medicine
Jill Ward	Jacksonville	Emergency medicine	Danielle Henry	Orlando	Surgical oncology
Eilene Weibley	St. Petersburg	Family medicine	Roderick Hook	Panama City Beach	Anesthesiology
Tiffany Wells	Jacksonville	OB-GYN	Sarah Irani	St. Petersburg	Peds/Sports medicine
Cortney Whittington**	Tallahassee	Family medicine	Joshua James	Panama City	Emergency medicine
			Jeremy Jones	Port St. Lucie	Hematology/oncology
			Jazmin Lesnick	Sarasota	Pediatrician
			Brett Lorenzetti	Ocala	Emergency medicine
			Layla Lundquist-Smith**	Pensacola	Family medicine
			^Zita Magloire**	Cairo, Ga.	Family medicine
			Kim Maguire	Tampa	Internal medicine
			Bradford March	Orlando	Interventional radiology
			Elizabeth Marquez	Jacksonville	Family medicine
			Brittany O'Dwyer Newton	Ormond Beach	General surgery
			Abby Peters**	Tallahassee	Pediatrics
			Gregory Peters**	Tallahassee	Emergency medicine
			Joshua Powers	Miami	Anesthesiology
			Cara Prier	Jacksonville	Internal medicine
			Marsha Ramsay	Tampa	Pediatrics
			Matthew Ramseyer	West Palm Beach	Trauma/critical care surgery
			Amar Raval	Palm Harbor	Urology
			Stephanie Reed	Maitland	Anesthesiology
Class of '11					
Obinna Adigweme	Orlando	Orthopedic surgery			
Brett Armstrong	Lutz	General surgery			
Alvaro Bada	Port Charlotte	General surgery			
Rachel Bixler**	Port St. Joe	Family medicine			
Philip Burke	Clermont	Internal medicine			
David Cangemi	Jacksonville	Gastroenterology/Hepatology			
Rachel Cartechine	Orlando	OB-GYN			
Justin Casey	Fort Myers	Otorhinolaryngology			
Ashley Chandler Regnaud	Pensacola	Plastic surgery			
Ethan Cohen**	Daytona Beach	Emergency medicine			
Amanda Cooke	Orlando	Pediatrics			
Andrew Cooke	Altamonte Springs	Allergy/Asthma			
Matthew Cox	Winter Park	Otology/neurotology			

NAME	LOCATION	SPECIALTY
Elinor Rodriguez	Orlando	OB-GYN
Shaila Siraj	St. Petersburg	Pediatrics
Kendall Steadmon	Gainesville	Pediatrics
Brad Stephan	Tampa	Cosmetic surgery
Alex Thacker	Bradenton	Family medicine
Brian Thomas	Orlando	Dermatology
Tina Tso**	Daytona Beach	Family medicine
Tiffany Vollmer Ramos	Pensacola	Pediatrics
Nathan Weagraff	Maitland	Emergency medicine
Sarah Yadon	Jacksonville	Internal medicine
Class of '12		
Katie Alonso	Stuart	Internal medicine
David Alvarez	Tallahassee	Orthopedic surgery
Sarah Mike Alvarez	Tallahassee	Pediatrics
Sharon Aroda	Gainesville	Internal medicine
Julio Arrieta**	Sarasota	Emergency medicine
Stefani Ashby	Jacksonville	Pediatric emergency medicine
^Jesse Basford	Dothan, Ala.	Emergency medicine
Lakeema Bruce	Pensacola	OB-GYN
David Castillo	Tallahassee	Family medicine
Robert Castro**	Fort Myers	Infectious diseases
Brian Cogburn	Gainesville	Preventive medicine
Jason Colizzo	Sarasota	Gastroenterology
Megan Core	Orlando	Emergency medicine
Nicholas Cummings	Gainesville	Anesthesiologist
Wes Dailey	Naples	General surgery
Robert Daly**	Daytona Beach	Emergency medicine
Amanda N. Davis	Tallahassee	Family medicine
Maria Diaz	Clermont	OB-GYN
Christina Dornshuld Colizzo	Riverview	Pediatrics
Sareh Dyer	Maitland	Pediatrics
Allison Poimboeuf Ferrara	Orlando	Internal medicine
Marco Ferrara	Orlando	Surgery
William Fields	Tampa	Emergency medicine
Micah Gaar	Fort Myers	Anesthesiology
Belinda Gavino	Winter Park	Family medicine
Martin Giangreco	Tampa	Internal medicine
Jeannette Herrero	Fort Myers	OB-GYN
Adam Holers	Apopka	Pediatrics
Brett Howard**	Tallahassee	General surgery
Charlene Hylton	Coral Springs	OB-GYN
Neel Jethwa	Tampa	Cardiothoracic anesthesiology

NAME	LOCATION	SPECIALTY
Demetrios Konstas	Tampa	Neurology
Maegan Lubbers	Celebration	OB-GYN
Amber McClain	Maitland	Pediatrics
Michelle Miller	Tallahassee	Family medicine
Gina Nguyen	Altamonte Springs	Pediatrics
Brian O'Hara	Maitland	Anesthesiology
Jennifer Packing-Ebuen	Brandon	Family medicine
Chandni Patel	Clermont	Internal medicine
Chetan Patel	Orlando	Surgery
Milin Patel	Tampa	Internal medicine
Helen Paulson	Tallahassee	Family medicine
Kenisha Pemberton	Tampa	Family medicine
Monica Peña	Melbourne	Pediatrics
Carolina Pereira	Jacksonville	Emergency medicine
^Jerrid Pippin	Dothan, Ala.	Emergency medicine
Colby Redfield**	Tallahassee	Emergency medicine
Jordan Rogers	Daytona Beach	Emergency medicine
Coley Rosenfeld	Boca Raton	Pediatrics
Jared Rosenfeld	Atlantis	Internal medicine
Michael Silverstein	Winter Park	Orthopedic surgery
Michael Simpson**	Pensacola	Internal medicine
Allen Sirizi	Sanford	Anesthesiology
Aaron Snyder	Jacksonville	Emergency medicine
Mary-Beatrice Squire	Coral Springs	OB-GYN
Helen Vo	Orlando	Anesthesiology
Tiffannie Walker	Fort Lauderdale	OB-GYN
^Kenneth Winnard	Tallahassee	Internal medicine
Class of '13		
Catherine Acob Almazan	Pensacola	Family medicine
Omolabake Bankole	Jacksonville	Family medicine
Emile Barreau	Weston	Family medicine
Zeena Bentinganan Cortes**	Orlando	Family medicine
Gabrielle Boodoo	Sarasota	Pediatrics
Erin Carlquist	Tallahassee	Dermatopathology
Aleksandra Clayton**	Winter Park	Family medicine
Stephen Cooke	Jacksonville	Family medicine
Laura Davis	Blountstown	Family medicine
Ashley Dlugokienski	Orlando	Internal medicine
Cory Duncan	St. Augustine	Family medicine
Kathryn Gard	Sarasota	OB-GYN
Amy Haddock**	Tallahassee	OB-GYN
Shaun-Pierre Hall	Jacksonville	Family medicine

NAME	LOCATION	SPECIALTY
Austin Henkel	Destin	Ophthalmology
Umar Karaman	Panama City	Urology
Jason Konopack	Old Town	Family medicine
Wing-Yin Kwan	Orlando	Emergency medicine
Carlos Leon	Gainesville	Internal medicine
Philip Lin	Orlando	Emergency medicine
Jason Lorenzen	Sarasota	Psychiatry
Stephen Lozier	Naples	Emergency medicine
Eva Luque	Orlando	Family medicine
^Kathryn Nelson	Thomasville, Ga.	Family medicine
Mary Norton**	Quincy/Tallahassee	Pediatrics
Raquel Olavarrieta	Miami	Pediatrics
Sheallah Palmer	Trinity	Family medicine
Fernando Parra-Ferro	Tallahassee	Emergency medicine
Kyle Powers	Jacksonville	Palliative medicine
Maria Rucinski	Jacksonville	Emergency medicine
Roxanne Samuels	Tampa	Pediatrics
Lisa Sappenfield	Tampa	OB-GYN
Shannon Schellhammer	Orlando	OB-GYN
Kyle Solari	Miami	Pediatrics
Andrea Taylor**	Pensacola	Dermatology
Dale Taylor	Gainesville	Hospitalist
Colin Tully	Orlando	Surgery
Zachary Tyser	Daytona Beach	OB-GYN
Melissa Velarde	Maitland	Pediatrics
Sarah Weaver	Jacksonville	OB-GYN
Natalie Williams	Pinellas Park	Family medicine
Mary Woods	Jacksonville	Family medicine/IM

Class of '14

Shawn Akhavan	Tallahassee	Internal medicine
Mohammed Al-Humiari	Orlando	Pediatrics
Jose Barquin	Tampa	Emergency medicine
John Byrd**	Graceville	Internal medicine
Nathalie Gutierrez Prieto	Orlando	OB-GYN
Angela Guzman	Orlando	OB-GYN
Lorenzo Hernandez	St. Petersburg	Family medicine
Anthony Herzog	Palm Beach	Hospitalist
Merisa Kaplan	Gainesville	Emergency medicine
Marta Klisinska	Jacksonville	Primary care medicine
Kimberly Manek	Jacksonville Beach	OB-GYN
Lexi Mannix	Jacksonville	Emergency medicine
Justin Mauldin	Orlando	Emergency medicine
Antony Nguyen	Tampa	Internal medicine

NAME	LOCATION	SPECIALTY
Mary O'Meara	Winter Haven	Family medicine
Ankita Patel	Tampa	Psychiatry
Avani Patel	Tampa	Internal medicine
Jason Pesqueira	Jacksonville	Family medicine
Rachel Russell	Tallahassee	Hospitalist
Alyson Lewis Sanchious	Fort Myers	Family medicine
Gregory Stepp	Fort Walton Beach	Family medicine
Brianna Phillips Thompson	Tallahassee	OB-GYN
Tommy Thompson	Crestview	Emergency medicine
Mitchell Whitehead **	Pensacola	Family medicine
Class of '15		
Neeka Akhavan	Gainesville	Internal medicine
Justin Beyer	Flagler County	Emergency medicine
Raul Castellanos	Loxahatchee	Internal medicine
Francesca Cirillo	Pensacola	Emergency medicine
Alexandra Da Rocha	Tallahassee	Dermatopathology
Ryan Dickert	Gainesville	Family medicine
Nicole Dillow	Tampa	Internal medicine
Shermeeka Hogans-Mathews	Tallahassee	Family medicine
Kevin Hou	Stuart	Internal medicine
Evgeny Idrisov**	Sarasota	Internal medicine
Luke McKenna	Fort Myers	Pediatrics
^Amanda Murray	Dothan, Ala.	Pediatrics
Rachel Nickels	Gainesville	Internal medicine
John Turner	Tallahassee	Family medicine

Bold - Primary care

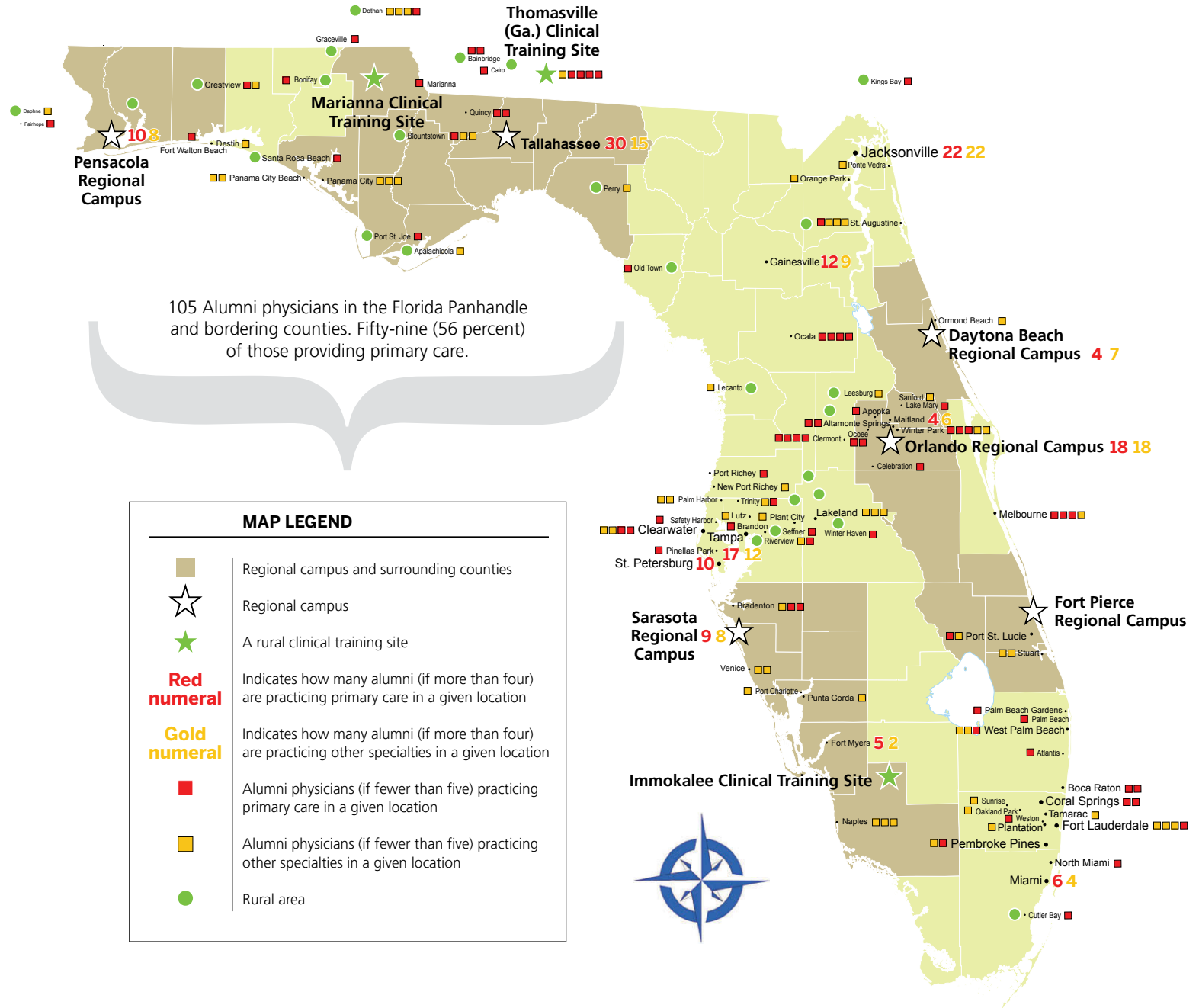
Red - Treats rural or urban underserved patients

^ - Practicing in border county of neighboring state

** - College of Medicine faculty member

+* - National Health Service Corps site

MORE OF THE PHYSICIANS FLORIDA NEEDS MOST





ADVANTAGES OF BEING COMMUNITY - BASED

Placing all third- and fourth-year students in Florida communities away from the main campus was a novel approach for the FSU College of Medicine. A few other medical schools across the country utilize regional campuses, but typically ones based at a teaching hospital in a city away from where the main campus is located.

FSU takes the approach a step further, having its students do the majority of their clinical rotations during the third year outside the hospital. Almost all other medical schools in this country have their students spend the majority of their time during the third year in a hospital. “Our students get to meet their patients literally where they are and learn to care for them in all settings, including the physician’s office and hospital,” said Alma Littles, senior associate dean for medical education and academic affairs.

“We look to have our students get one-on-one educational opportunities with an experienced community physician to give them a better feel for the role these physicians play in the health-care system – and in the lives of their patients.”

After 15 years of a community-based approach, Florida State has ample data to demonstrate its effectiveness. Some of that data can be found in the physicians we produce and the places they are practicing.

More good news about the approach can be found in the way our students perform on the United States Medical Licensing Exam. Step 1 of the exam is given during the second year of medical school. Step 2 is given during the fourth year.

FSU medical students have been above the national average for improvement in scores from Step 1 to Step 2 every year since the inaugural class first took Step 2 in 2005. Step 2 covers the learning experiences students have during the third and fourth years of medical school.

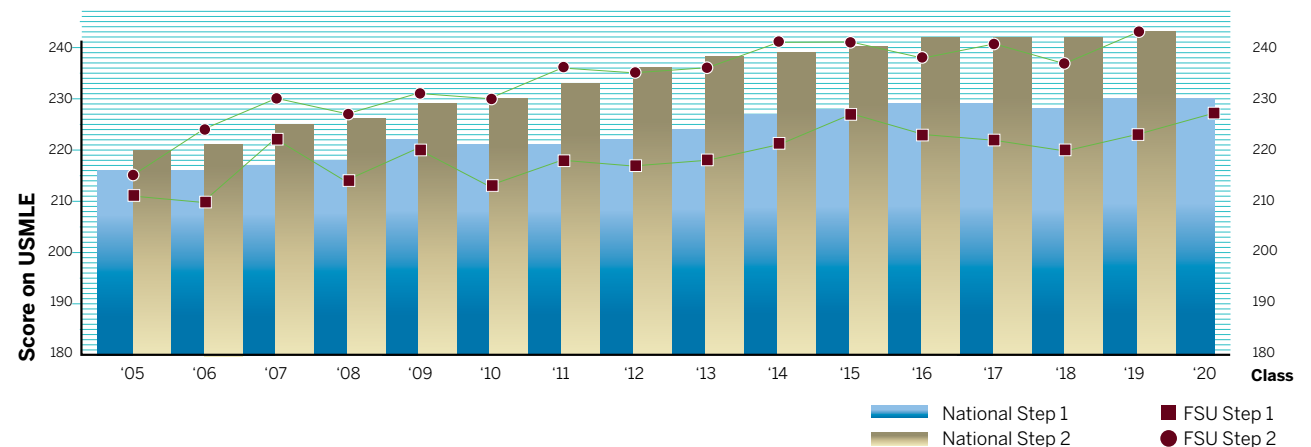
“This is one measure of how well the community-based approach works,” Littles said. “We don’t select our students for admission to medical school based strictly on how well we think they will perform on standardized exams. We’re looking for compassionate people who believe in our mission – and who we believe can handle the academic rigors of medical school.

“Their performance on Step 2 is a credit both to their ability to meet the challenges they face in medical school, and a testament to the community physicians who teach our students throughout Florida.”

COMPARING USMLE Step 1 vs 2 — CLINICAL KNOWLEDGE

First-time takers, Step 1, classes of 2005-2020
National pass rate – 94 percent
FSU pass rate – 94 percent

First-time takers, Step 2 CK, classes of 2005-2019
National pass rate – 96 percent
FSU pass rate – 97 percent





People who teach – and other news reflecting the quality of the medical education provided for students at the College of Medicine

PA PROGRAM ENTERS NEXT PHASE

Students in the inaugural class of the College of Medicine's School of Physician Assistant Practice began their clinical training in regional campus communities in January.

After spending their first 15 months at the main campus in Tallahassee, the students will spend a full year based at one of the regional campus locations, where they are learning under the direction of faculty physicians and PAs.

The class will graduate in December. The program's second class will begin clinical training in January 2020. They were among 50 students chosen from among more than 1,800 applicants. Perhaps more significant, more than half of the class members come from small towns (fewer than 10,000 residents). The college's hope is that many will choose to return and practice in Florida communities where they are needed the most.

The third class, and each class thereafter, will include the maximum enrollment of 60. That class begins studies in August.

OPENING SOON: HEALTH CARE BY COLLEGE OF MEDICINE FACULTY

FSU PrimaryHealth is on schedule to open its new primary-care clinic in southwest Tallahassee this spring. Faculty physicians began seeing pediatric patients in a temporary location at Sabal Palm Elementary School in the fall and will be relocating to the new building soon.

The new clinic will be staffed by a team of FSU College of Medicine physicians, physician assistants and nurse practitioners. Medical and PA students will gain clinical experience under their supervision.

Among the faculty who will see patients at the clinic are three College of Medicine alumni: **Christie Alexander** (M.D., '05), assistant professor of family medicine and rural health; **Mary Norton** (M.D., '13), assistant professor of clinical sciences; and **Shermeeka Hogans-Mathews** (M.D., '15), assistant professor of family medicine and rural health.



Christie Alexander



Mary Norton



Shermeeka
Hogans-Mathews

Norton is a board-certified pediatrician, while Alexander and Hogans-Mathews are board-certified family physicians. Alexander is president-elect of the Florida Academy of Family Physicians.

"This center will allow our faculty and students to help address the many health-care needs of the area in line with the mission of the school, focusing on underserved communities," said Daniel Van Durme, senior associate dean for clinical and community affairs. "It will allow us to practice what we teach – person-centered, evidence-based, community- and population-engaged health care."





A TEAM FOR FLORIDA'S AGING POPULATION

Florida is home to a larger percentage (17) of 65-and-older adults than any other state. By 2030, the number is expected to reach nearly 8 million, a sobering statistic in light of its demand on health-care resources.

Older individuals, after all, have greater health-care needs.

As of 2010, those over age 65 constituted 13 percent of the U.S. population, but accounted for 34 percent of health-care spending, according to the U.S. Centers for Medicare and Medicaid Services. That amounted to \$18,000 per person, compared with less than \$4,000 in annual health-care

spending per child or around \$6,000 for those in between.

The challenges in Florida won't be met by creating more geriatricians. (Florida had only 404 as of 2017 – or roughly one for every 10,000 people over 65.)

At Florida State, a medical school with a legislative

mandate in geriatrics, the way to prepare is by collaborating.

Through programs and research funded by nearly \$3 million from the U.S. Health Resources and Services Administration (HRSA), the College of Medicine is developing creative ways to strengthen Florida's ability to care for geriatric patients.

"We've known for a while in geriatrics that we would never have enough of us specialists to keep up with the demand," said **Lisa Granville**, a geriatrician, associate chair of the Department of Geriatrics and co-principal investigator on the HRSA grant. "Because of that, we've shifted our focus to make sure that everyone in health care has a minimal skillset to help address some of the common concerns and unique health-care needs of older adults."

HRSA awarded the College of Medicine \$2.25 million in 2015 as part of the Geriatric Workforce Enhancement Program (GWEP) to form statewide partnerships and establish programs focusing on interprofessional training and patient and caregiver empowerment.

In 2018, as a result of successful outcomes over the first three years, the college received an \$800,000 extension to continue building such programs.

One example is a clinical immersion event developed to teach students about geriatric care principles and the role of health-care teams. Since 2016, more than 1,100 students from the College of Medicine, FSU's College of Nursing and Social Work, and Florida A&M University's pharmacy school have been taught to form teams and manage a geriatric patient in a simulated clinical setting.

"If you can train them in geriatric principles from Day One, ideally they just accept that as part of their role and don't think of it as an add-on," said Granville. "It's really difficult to retrain a practicing physician, so we look to make a change in the pipeline and infuse geriatric competencies throughout medical schools and other disciplines' schooling."

Meantime, the grant is already influencing older patients across Florida. Fourth-year medical students at the college's six regional campuses have been giving senior-learning presentations as part of their required geriatrics clerkship rotations.

"There's a mutual benefit for our medical students and older adults to be learning about aging-related issues," said **Nicolette Castagna**, coordinator of the North and Central Florida Geriatric Workforce Enhancement Partnership. "The presentations empower older adults to be more informed about their own health, and it also helps med students understand how to communicate health-related issues to patients and know what concerns older patients have."

Medical students have presented to more than 2,000 older adults across the state on topics such as heart health, falls prevention and advanced care planning.

GWEP's reach has also extended inside the walls of health-care facilities and into rural and underserved care environments.

Geriatric care principles have been infused into family medicine and internal medicine residency programs in Tallahassee, Fort Myers, Orlando and Daytona Beach based on areas where residents show the greatest need for improvement.

Other training programs in Immokalee and Naples anchored by the College of Medicine's Immokalee Health Education Site have instructed several hundred attendees on topics such as medication use in older adults and communication with older patients.

"We're working with a federally qualified health center, and everyone from the person at the front desk, to the nurses, to the physicians is more informed about how to effectively help older patients," said Castagna. "There aren't a lot of public health clinics that are equipped with that specific knowledge, so they're excited to be a place that older adults can come and get quality care, especially in an underserved area."

As GWEP embarks on its additional year of funding, more focus is being placed on family caregiver support and education.

The Powerful Tools for Caregivers workshops have already reached more than 600 caregivers statewide. Year 4 of the grant is the start of a new collaboration with the African-American Alzheimer's Caregiver Training and Support (ACTS 2) program led by College of Medicine Professor **Rob Glueckauf** to assist dementia caregivers in northwest Florida.

"Across the board, all of our projects have really been able to make an impact and a big part of it is sustainability," added Castagna. "We've been able to do that by training leaders and creating materials that can be reused. Our community partners are committed and have a lot of buy-in, so we're in good shape to have a lasting impact."



AN ASSIST FROM THE TRANSITION CENTER

The College of Medicine partners with Tallahassee Memorial HealthCare to help patients recently discharged from the hospital from having a relapse. It could be as simple as ensuring they're able to pick up medication and adhere to the physician's treatment plan. A social worker, in some cases, might be more important than a physician in helping uncover and resolve obstacles that can lead to setbacks – and to hospital readmission.

Recently, the TMH Transition Center took on another opportunity to care for patients with a high risk of hospitalization – the Big Bend region's homeless population. The Kearney Center, which provides 24-hour comprehensive emergency services for individuals experiencing or on the verge of homelessness, provided grant support to have the Transition Center deliver medical care.

"Currently, our team is responsible for all care provided to Kearney Center patients," said **Steve Quintero**, associate professor of family medicine and rural health, who serves as the Transition Center medical director.

In addition to its role in treating the medically underserved, the Transition Center serves as a teaching clinic for M.D. and PA students, as well as for surgical and internal medicine residents. Quintero, medical director for the FSU School of Physician Assistant Practice, regularly serves as a preceptor for those students, while also providing referrals for FSU SeniorHealth (and soon, FSU PrimaryHealth).

"I'm quite proud of the many efforts made by our Transition Center team to aid the underserved in this community," Quintero said.

CONFRONTING THE OPIOID CRISIS

The College of Medicine's Area Health Education Center (AHEC) has taken a lead role in the Florida Alliance for Healthy Communities Opioid Prevention and Education initiative. Statewide funding is provided by the Florida Department of Children and Families (DCF).

Involving 15 AHECs across Florida, it was created to engage medical and other health sciences students and academic faculty in delivering new or enhanced community health services to rural and urban medically underserved communities and populations. The alliance and Florida AHEC Network will

harness resources toward reducing deaths associated with opioid use and addiction.

In 2016, there were 2,798 opioid-related deaths in Florida, according to the National Institute on Drug Abuse – above the national average and a significant increase from the 200 deaths in 2013.



The alliance seeks to provide health-profession training opportunities in all 67 Florida counties and to medical residents and health-professions students in a wide range of disciplines; enhance the state's ability to deliver opioid abuse prevention and early intervention; raise community awareness, including the development of outreach programs; and create educational materials for health professionals and community members.

“This is about opioid education and prevention,” said **Andrée Aubrey**, FSU AHEC director. “We’re providing this training to those who prescribe medicine – doctors, nurse practitioners, dentists and physician assistants. We’ve also provided training to medical students and will be doing so for medical residents, as well.”

The Council of Florida Medical School Deans, chaired by FSU College of Medicine Dean **John P. Fogarty**, also has partnered with the alliance, expanding the effort to include 10 Florida medical schools.

AT THE MAIN CAMPUS

Michael Nair-Collins, philosopher, bioethicist and associate professor of behavioral sciences and social medicine, was invited to present among a select group of international experts when the Center for Bioethics at Harvard convened a public conference: “Defining Death: Organ Transplantation and the 50-year Legacy of the Harvard Report on Brain Death.” Read more about Nair-Collins’ contributions at med.fsu.edu/2018. ... **Joedrecka Brown Speights** in 2018 became the permanent chair of the Department of Family Medicine and Rural Health, replacing Daniel Van Durme, who is now senior associate dean for clinical and community affairs. ... **Jon Appelbaum**, chair of the Department of Clinical Sciences, was re-elected for a second two-year term as vice chair of the American Academy of HIV Medicine board of directors. ... **Kema Gadson** was named the college’s assistant dean for student affairs and diversity.

REGIONAL CAMPUSES AND CLINICAL TRAINING SITES



DAYTONA BEACH

In October, the Daytona Beach Seminole Club presented a scholarship check after a fundraising golf tournament. The \$9,000 gift translated into \$1,800 scholarships for five fourth-year med students. They’re called Dexter Carter Scholarships. Carter, who played football both for FSU and in the NFL, is a member of the club.

- Fourteen College of Medicine alumni are on the Daytona Beach faculty. (Ten trained at our campus, and four trained at other regional campuses.) One of them, **Tina Tso** (M.D., '11), received our campus Guardian of the Mission award. **Ruby Deveras**, M.D., was selected as our Outstanding Community Faculty Educator.
- We appointed a PA clerkship director and added 50 new faculty members to prepare for the arrival of our first group of PA students in January.

Luckey Dunn, M.D., campus dean, med.fsu.edu/daytona

FORT PIERCE

Our campus in 2018 participated in the Treasure Coast RoundTable, the Indian River State College Graduate School Fair and the State of Jobs Conference, showcasing M.D. and PA medical education for high school students from the surrounding counties of Indian River, St. Lucie and Martin.

We welcomed 62 new faculty members – physicians, physician assistants and nurse practitioners – to teach our new PA students.

At our All-Faculty Meeting in October we recognized those who’ve reached the 10-year milestone in teaching for our campus. That included **Alastair Kennedy**, M.D., the only physician on our community board.

Emergency medicine physician **Raviah Masih**, M.D., received our Guardian of the Mission award and obstetrician-gynecologist **Carl Zollicoffer**, M.D., was chosen as the Outstanding Community Faculty Educator.

We welcomed six College of Medicine alumni who have chosen to practice medicine here on the Treasure Coast, including three who spent Years 3 and 4 of medical school here at Fort Pierce. They embody the mission of educating doctors who will return to our Florida communities to practice medicine.

In addition to learning the art and science of medicine, our students collected school supplies for children attending the Florida Community Health Center, collected supplies for victims of Hurricane Michael, and participated in a food drive for a local food bank. In every way imaginable, our patient-centered students have embraced the community that teaches them.

Juliette Lomax-Homier, M.D., campus dean, med.fsu.edu/fortpierce

PENSACOLA

Michael Muszynski, M.D., campus dean, med.fsu.edu/Orlando

We're adjacent to the UWF Department of Health, which contains schools in athletic training, nursing, exercise science, health sciences, health promotion, medical laboratory science and psychology. This represents a tremendous opportunity for us to develop interdisciplinary training and enhance the student experience.

Since opening the campus, we have partnered with the Escambia County Medical Society to provide students a firsthand look at organized medicine. This year we were able to organize a room-naming ceremony to formally acknowledge the medical society's generosity in creating an endowment to provide perpetual funds for student scholarships.

Paul McLeod, M.D., campus dean, med.fsu.edu/Pensacola



Among those present at the Escambia County Medical Society room-naming ceremony were, from left, Clerkship Director **Hillary Hultstrand**, M.D.; Dean **Paul McLeod**, M.D.; Erica Huffman; Joanne Buynoski, M.D.; clerkship faculty member **Jennifer Miley**, M.D.; and Wayne Willis.

SARASOTA REGIONAL CAMPUS

After 14 years as the Sarasota campus dean, **Bruce Berg**, M.D., MBA, retired Nov. 2. Many faculty, staff, students, physicians, community leaders and family members attended his retirement party, sharing emotional and humorous stories of his personal and professional accomplishments.

“As a champion for the art of medicine grounded in the face of science, Dean Berg understood that it is at their intersection where innovation begins,” said alumnus **Marc Bernstein** (M.D., '08), now practicing gastroenterology. “He provided fertile ground for our curious minds. He challenged us to look beyond the diagnosis and find the human underneath the gown.”

A student scholarship endowment has been established as a testament to Dean Berg’s vision and leadership. As a family physician and former family medicine clerkship director here, I’m honored to have been chosen as the new dean.



Nicole Bentze

Also this year, our campus community board welcomed **Steven Brownlee**, whose background in medicine, health-care systems and law has already proved to be a valuable asset.

Three new clerkship directors were appointed at the Sarasota campus in 2018: alumna **Fawn Harrison** (M.D., '05) in pediatrics; alumnus **Julio Arrieta** (M.D., '12) in emergency medicine; and **Carlos Rodriguez**, M.D., in family medicine. Having FSU medical students train and return to the Sarasota community is a valuable return on investment. Having former FSU students serve in mentor and leadership positions has brought it full circle.

Nicole Bentze, D.O., campus dean, www.med.fsu.edu/sarasota



John Turner

TALLAHASSEE

Partially to prepare for the arrival of new PA students, our campus added 51 new community faculty members in 2018, including alumni who once were students at our campus: **John Turner**

(M.D., '15), **Shermeeka Hogans-Mathews** (M.D., '15) and **Alexandra Da Rocha** (M.D., '15).

On Match Day 2018, a number of our students matched locally. For example: **SchMiyah Smith** (general surgery), **Brittany Schafer** (family medicine), and **Kristin (Magrini) Price** and **Sangeeta Nair-Collins** (both internal medicine).

Frank Walker, M.D., is our new clerkship director for pediatrics. He received the Guardian of the Mission Award from the Faculty Council. **Leisa Bailey**, M.D., a

faculty member in our rural program in Marianna, received the Mission Leadership Award. **Daryl Crenshaw**, M.D., received our Outstanding Clinical Faculty Award.

Our thanks to Anesthesiology Associates, which has created a scholarship for medical students who wish to match in anesthesiology and return to practice in North Florida (non-binding). We appreciate the teaching done by local anesthesiologists and their endowment generously created for our medical students.

Finally, our campus once again worked with the Quincy Holiday Project for migrant families who live part of the year in Immokalee. The support of our community faculty, staff and medical students helps to make the holidays joyful for this underserved population.

Sandeep Rabangdale, M.D., campus dean, med.fsu.edu/tallahassee



IMMOKALEE

Our health education site continues its expansion in Southwest Florida. We sponsored the first ever FSU College of Medicine Symposium on Integrated Care: Spirituality & Health. Two international keynote speakers were featured: Harold Koenig, M.D., director of the Center for Spirituality, Theology and Health at Duke University Medical Center, and Christina Puchalski, M.D., director of George Washington University's Institute for Spirituality and Health. The symposium brought together an interprofessional group of health-care providers from the region.

The FSU Center for Child Stress & Health housed in Immokalee co-sponsored (with the FSU Center for Prevention & Early Intervention) a statewide think tank: "Expanding Trauma-Informed Systems in Florida." It featured Vincent Felitti, M.D., one of the world's foremost experts on childhood trauma and co-author of the Adverse Childhood Experiences (ACE) study. The think tank brought state leaders and policymakers as well as community leaders together with the goal of leveraging trauma science across Florida systems.

The Center for Child Stress & Health received a \$500,000 gift from the Naples Children and Education Foundation (NCEF) to fund a full-time clinical psychologist who will work with NCEF after-school programs to serve children with a history of traumatic stress and serve as a bridge between school and primary care, as well as providing workforce development for teachers.

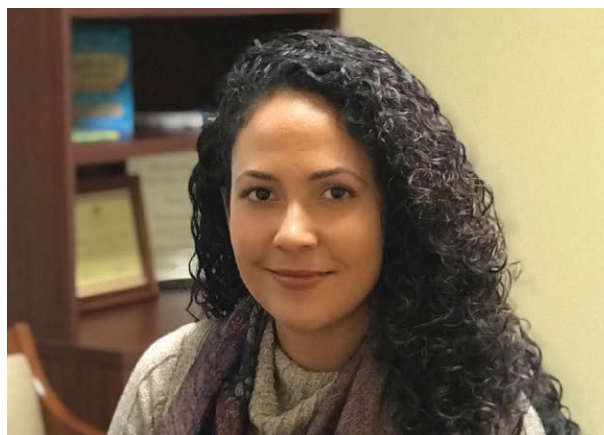
The center hired its first full-time research postdoctoral fellow, **Jordan Montgomery**, Ph.D., who will focus

on developing and testing evidence-based, web-based, interactive training focused on rural, low-literacy parents.

Medical students from all six regional campuses continue to complete third- and fourth-year rotations in Immokalee as well as participate in research opportunities with the Center for Child Stress & Health. For the 13th year, *FSUCares* students traveled from Tallahassee to provide health outreach activities during spring break to the farm-working community.

The Clinical Health Psychology Postdoctoral Fellowship Program based in Immokalee will be expanding to the Lee Health system. An affiliation agreement between the College of Medicine and Lee Health will expand the postdoctoral fellowship to Lee outpatient clinics (including the family medicine residency). Three new fellows are expected to start in September 2019.

Elena Reyes, Ph.D., regional director for Southwest Florida, med.fsu.edu/Immokalee



Natalie Rivera, who completed the Health Psychology Postdoctoral Fellowship Program in August, has joined the Immokalee faculty and will help expand the program to Lee Health.

MARIANNA

We celebrated the start of our fourth class of Longitudinal Integrated Clerkship (LIC) students. Of the seven students who have graduated after participating in the LIC, two have matched in internal medicine, two in family medicine, one in general surgery, one in psychiatry and one in ophthalmology.

We added College of Medicine and Bridge alumna **Laura Davis** (M.D., '13) to our core family medicine clerkship faculty, thus strengthening its FSU roots. She practices in Blountstown, a rural community in Calhoun County.

Jackson Hospital continued its commitment to FSU by hosting numerous activities related to the College of Medicine. All are designed to introduce eager young students to the virtues of rural medicine.

2018 marked the retirement of Rosie Smith, hospital PR director and community liaison, who has been instrumental in all aspects of the College of Medicine's relationship with Jackson since 2005. She has been succeeded by Amy Milton, whose family has a long, rich history in the community.

Then came Hurricane Michael. The county lost power for nearly a month. Jackson Hospital and our teaching faculty and students were directly affected. (See storm details, page 12.) Though the hospital has reopened, much work remains to restore all services. We appreciate all the relief efforts and warm wishes from our College of Medicine family near and far.

Anthony Speights, M.D., director of rural education, med.fsu.edu/marianna



Laura Davis

GRADUATE MEDICAL EDUCATION PROGRAMS

med.fsu.edu/gme

New program directors were named after the planned transitions of **Gregory Todd, M.D.**, and **Gary Goforth, M.D.**, from their roles at Tallahassee Memorial HealthCare and Lee Health, respectively. **Claudia Kroker-Bode, M.D.**, the new program director for internal medicine at TMH, had the same role at the Virginia Tech Carilion School of Medicine. **Alfred Gitu, M.D.**, formerly associate director of the family medicine program at Lee Health, is now the program director.

We recruited **Nathan Falk, M.D.**, as founding director for the family medicine program at Winter Haven Hospital. He had been associate director of the family medicine residency program at Florida Hospital in Winter Park. Also in 2018, he was chosen as the Florida Academy of Family Physicians' Full-Time Exemplary Teacher.

Wade Douglas, M.D., general surgery residency director at Tallahassee Memorial HealthCare, was inducted into the American College of Surgeons Academy of Master Surgeon Educators as an associate member. He also worked with the ACGME milestone group that developed the general surgery graduate medical education standards for the nation.

*Joan Younger Meek, M.D.,
associate dean, graduate medical education*



DERMATOLOGY – DERMATOLOGY ASSOCIATES

For the first time, the dermatology program has a full set of residents from program-year 2-4. New faculty members include **Andras Schaffer, M.D.**, a dermatopathologist; **Beverly Johnson, M.D.**, a board-certified dermatologist with 30-plus years of experience; and **Frank Lomagistro, M.D.**, a plastic surgeon who assists the residents with complex excisions of benign and malignant cutaneous tumors. Schaffer and Lomagistro also teach with the micrographic surgery and dermatologic oncology fellowship program.

George Cohen, M.D., residency program director

Armand Cagnetta Jr., M.D., fellowship program director

EMERGENCY MEDICINE – SARASOTA MEMORIAL HEALTH CARE SYSTEM

The new program earned initial accreditation and received approximately 900 applications for nine first-year resident positions, expected to be filled through the National Resident Matching Program in March.

Kelly O'Keefe, M.D., program director



FAMILY MEDICINE RESIDENCY / GLOBAL HEALTH FELLOWSHIP – LEE HEALTH

In 2018, the program graduated its third full class of residents; continued its 100-percent pass rate on the American Board of Family Medicine certification examination; all six graduates accepted positions in Florida; graduated its first two Global Health fellows; accepted two new fellows; opened a new practice location at Babcock Ranch; and joined Loma Linda University in pioneering a lifestyle medicine curriculum for residency programs.

The program also added new faculty members **Lee Coghill**, M.D., an alumnus of both the residency and fellowship programs; and College of Medicine alumna **Tanya Anim** (M.D., '10).

Resident **Charles Fleischer**, M.D., received the Florida Academy of Family Physicians' Resident Scholar Award for 2018.

Alfred Gitu, M.D., program director

FAMILY MEDICINE – WINTER HAVEN HOSPITAL

The new program applied for initial provisional accreditation with the goal of accepting its first residents in 2020. Also underway, faculty recruitment, curriculum development, the formation of community partnerships for resident rotations, and construction of a nearly 15,000-square-foot Family Health Center, anticipated to open in summer 2019.

Nate Falk, M.D., founding program director

GENERAL SURGERY – TALLAHASSEE MEMORIAL HEALTHCARE

The program's 10 residents and one fellow (seven of whom are FSU College of Medicine alumni) participated in more than 2,000 operations in 2018, and began staffing a continuity-of-care clinic at the TMH Transition Center. The program also developed a non-ACGME-accredited trauma fellowship and has two new faculty members: **Luke Watkins**, M.D., fellowship-trained endocrine surgeon, and **Darrell Hunt**, M.D., fellowship-trained trauma surgeon.

Wade Douglas, M.D., program director

INTERNAL MEDICINE – SARASOTA MEMORIAL HEALTH CARE SYSTEM

After a 2018 accreditation site visit, the program received continued accreditation status with multiple commendations, including: program leadership; curriculum (describing it as well-designed and innovative); faculty chosen specifically for commitment to teaching and supervising residents; quality improvement, especially in ongoing program assessment; hospital support, recognizing SMH for providing compensation for faculty teaching time and employing a research director and director of wellness and resiliency training; competency-based journaling, which promotes self-reflection and lifelong learning; and Structured Interdisciplinary Bedside Rounds (SIBR), promoting collaboration, communication, patient safety and efficiency.

Among the program highlights is the residents' continuity clinic in Newtown, the most underserved area of Sarasota. This practice was recognized with a 2018 *Sarasota Magazine* Unity Award for decreasing health-care disparities.

Wilhelmine Wiese-Rometsch, M.D., founding program director



INTERNAL MEDICINE – TALLAHASSEE MEMORIAL HEALTHCARE

The program developed an “out-of-the-box elective”: a period of four weeks during which a resident can do something related to medicine besides the usual inpatient or outpatient rotation. Examples are an administrative elective with the program director, or a “literature in medicine” elective, during which the resident reads and interprets certain books and presents the excerpts. Each elective is under the supervision of a qualified preceptor, with goals

and objectives prepared by the resident and approved by the program director.

Also, the program is collaborating with the College of Medicine in providing opportunities for residents to participate in translational research. College faculty members participate in the lecture series, enhancing the education of the residents.

Claudia Kroker-Boede, M.D., Ph.D., program director



OUTREACH AND DIVERSITY

The College of Medicine's effort to produce alumni physicians responsive to community needs requires a strategic approach. It's not only about finding students who are most likely to choose to practice in locations and specialties where they are needed most. It's about developing *candidates* for medical school who understand and believe in the college's mission.

Even before there was a medical school at Florida State, the university had developed a pipeline program to increase the number of students from medically underserved communities who would seek careers in health care.

Science Students Together Reaching Instructional Diversity and Excellence (SSTRIDE) identifies students as early as the seventh grade with an aptitude for science and math who have such a background.

With more than 700 alumni now in practice, the college has an emerging picture of how the program is contributing to the state's physician workforce. The College of Medicine has produced 1,255 M.D. alumni through 2018 and 7 percent of those were introduced to the program through SSTRIDE.

For the past two years, the College of Medicine has been the only member of the Association of American Medical Colleges among the top 10 nationally for enrollment of both black and Hispanic students. SSTRIDE and the college's Bridge Program have been big contributors to achieving such a unique level of diversity.

While the college's ability to prepare and enroll quality applicants from medically underserved backgrounds remains strong, other U.S. medical schools have begun to

achieve greater success in this area, as well. For the M.D. class entering U.S. and Canadian medical schools in 2018, only FSU, UCLA and the University of Texas Rio Grande Valley have a first-year class with greater than 10-percent enrollment of both black and Hispanic students.

SSTRIDE TO THE FSU COLLEGE OF MEDICINE

- Admitted to the College of Medicine (2001-present): 140
- Currently enrolled: 49
- Graduated (2005-'18): 89
- Currently in residency training: 42
- Currently in a primary-care residency program: 62 percent
- Currently in a fellowship: 4
- Currently practicing: 41
- Practicing primary care: 59 percent
- Practicing in Florida: 20
- Practicing primary care in Florida: 10
- Graduated, not practicing: 3
- Did not graduate: 2

RECOGNIZING OUTREACH EFFORTS

For the second consecutive year, the College of Medicine was chosen recipient of the Health Professions Higher Education Excellence in Diversity (HEED) Award from *INSIGHT Into Diversity* magazine.

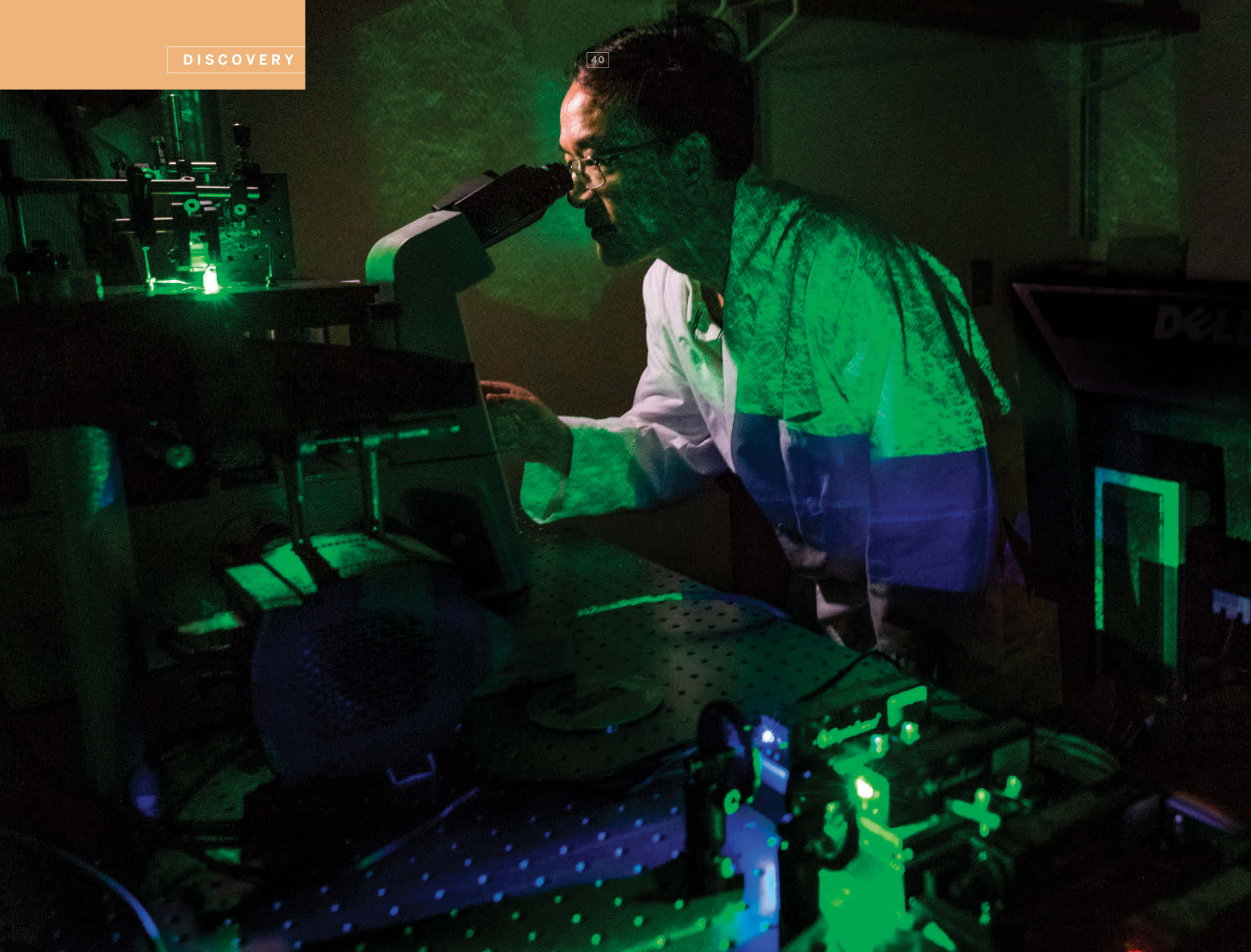
The award recognizes U.S. medical, dental, pharmacy, osteopathic, nursing, veterinary, allied health and other health schools demonstrating an outstanding commitment to diversity and inclusion. The College of Medicine is one of 35 health-professions programs honored.

"Diversity is central to our mission," College of Medicine Dean John P. Fogarty said. "This medical school was created, in part, to produce physicians who will meet health-care needs in communities that have traditionally struggled to provide adequate access to care. In our mission statement, it's called being responsive to community needs."

"This award really recognizes the fact that we are true to our mission and we are succeeding in producing the physicians Florida — as well as the rest of the U.S. — needs most. That includes our record of producing numerous alumni who now practice in rural parts of the state, especially in Northwest Florida."

HEED Award institutions were selected based on "recruitment and retention of students and employees — and best practices for both; continued leadership support for diversity; and other aspects of campus diversity and inclusion."





HITTING MILESTONES IN RESEARCH FUNDING

FSU researchers brought in more than \$226 million in funding during the 2018 fiscal year, a \$16 million increase over the prior fiscal year and the second-highest amount in a single year.



The College of Medicine contributed one of the largest funding increases of any FSU college, receiving more than \$26.8 million in new grants – almost twice as much as the college produced two years ago.

The research program has begun to carve out areas of strength and expertise as key hires are made to propel growth. Mental and behavioral health and recent hires in translational science are key factors in the ascent.

“I was brought in to really engage us in translational research and to integrate with our partners at FSU in doing that,” said **Jeffrey Joyce**, senior associate dean for research and graduate programs. “Translational research is about changing health outcomes, and we have to find our niches where we can effectively do that. Mental health and behavioral health is an area where we really have an opportunity.”

Joyce notes that the college’s funding pattern is a sign of maturation as investigators attract larger awards.

“Our increasing dollar amounts indicate that we’re getting larger grants, not necessarily more grants, which is an important milestone,” said Joyce.

The university has seen significant growth in National Institutes of Health (NIH) awards, including a 73 percent increase in funding during the 2018 fiscal year - \$16.2 million of that from the College of Medicine.

“We have enough NIH funding that we will no longer be able to get the Area/R15 NIH grants,” said Joyce. “Those only go to colleges of health sciences in areas in which their

funding is less than \$23 million for five of the last seven years. Once you go over that, it means you no longer need to be in that level, you’ve moved up.

“We’re at a point now where we have to have formal programs and training to engage early career investigators to use those as a platform for their ability to move into bigger grants,” he said. “Our new milestones on the horizon are developing multi-investigator grants, which are substantially larger and cover costs that are important for the long-term facilitation of our research programs.”

While defining areas where the college will gain national prominence, growth in translational research will produce new diagnostics, treatments, therapies and interventions to positively impact health outcomes.

“Our research really supports our educational mission and it also demonstrates our ability to be leaders on this campus, and that’s what I think a College of Medicine should be able to do,” Joyce said.

COLLEGE OF MEDICINE 2018 GROWTH IN RESEARCH FUNDING

	Awards	Amount (in millions)
2016	80	13.9
2017	104	18.5
2018	117	26.8

ACTIVE RESEARCH DOLLARS

	Amount (in millions)
2016	45.6
2017	63.7
2018	102.8

IMPROVING BEHAVIORAL HEALTH CARE

The Department of Behavioral Sciences and Social Medicine already is elevating Florida State’s reputation for behavioral health research, which addresses all aspects of mental health and wellness.



As director of the FSU Center for Behavioral Health Integration, **Heather Flynn** is working to build programs and develop training to better address behavioral health concerns in primary care and other health-care settings.

“Primary care must do a better job of integrating the treatment of behavioral health issues,” said Flynn, professor and vice chair for research in the department. Behavioral health issues include depression, anxiety, diabetes management, weight loss, smoking cessation, substance abuse and more.

“We’re no longer going to have this artificial separation where you get your behavioral health treated in one place and your primary medical treatment at another; it just doesn’t work. Integrating behavioral health into multiple points of care is the only way to optimally address these issues.”

In 2018, the center secured \$1.8 million in annual funding for projects focused on obstetrics and pediatric settings, and social service sectors such as child welfare. The Florida departments of Health (DOH), Education, and Children and Families have significant investment in the center’s research.

Most recently, the DOH partnered with Flynn on a \$3.25 million grant from the U.S. Health Resources and Services Administration to address behavioral health in maternal health care. The grant will help develop a sustainable screening and treatment model for mental health and substance abuse in pregnant and postpartum women.

Flynn is also working to develop a statewide mental health resource directory to provide physicians with referral outlets to increase the likelihood of screening, diagnosis and treatment.

In 2018, one of the medical school's newest faculty members, Distinguished Endowed Professor in Behavioral Health **Sylvie Naar**, established the Center for Translational Behavioral Science. The center will propel the college's efforts in improving individual and population health through behavioral health research.



Naar has appointed five new faculty, a postdoctoral fellow and several research assistants to help lead the center. Upon her arrival, Naar brought \$17 million in funding for projects that involve working directly with individuals at risk for a wide range of behavioral health issues.

Her research has focused heavily on developing and testing interventions to reduce health disparities in children and adolescents. She is targeting diseases disproportionately affecting African-Americans such as obesity, obesity asthma, diabetes and HIV.

Naar and her center are heavily focused on the Scale It Up program – an NIH-funded project designed to enhance self-management of HIV among adolescents and young adults up to age 25.

Associate Professor **Angelina Sutin** is also at the forefront of the department's research efforts, making headlines for grants and numerous publications. A recent \$3.8 million grant from the



National Institute on Aging of the NIH will support Sutin's look at why people with Latino backgrounds have a 50 percent greater risk of developing Alzheimer's disease than non-Latino whites. The research has clear implications for a broader understanding of how the disease works.

"Given our model, we're well-poised to build national prominence in behavioral health interventions in ways other universities can't," Joyce said. "We really have an opportunity to do community-based, participatory research that supports the college's educational mission and reinforces our primary-care focus."

DEPARTMENT OF BEHAVIORAL SCIENCES AND SOCIAL MEDICINE FIVE-YEAR GROWTH IN AWARDS

	Awards granted
2014	16
2015	15
2016	14
2017	19
2018	37

EMPHASIS ON TRANSLATIONAL RESEARCH

In addition to Naar's arrival, the college's quest for more translational research includes the 2018 arrival of biological chemist **Zucai Suo**, who brings added potential for developing new biomedical technology and drug-discovery opportunities. He is the Eminent Professor and Dorian and John Blackmon Endowed Chair in Translational Research.



"He's an emerging star in his field who will complement a number of our current faculty while also bringing significant new technology and ideas to our program," Joyce said. "His arrival fits our strategy to develop novel platforms for translational research. One of the things he'll do is help us collaborate across many research strengths in other colleges at FSU."

Suo focuses his research in three areas: the kinetic mechanisms of enzymes involved in DNA/RNA replication, lesion bypass and repair; understanding gene-editing enzymes; and developing small or large molecules as antiviral and anticancer drugs.

Earlier in his career, he helped the development of two small molecules leading to an HIV treatment that has generated more than \$48 billion in revenue for the biotech giant Gilead Sciences, and an anti-hepatitis C drug that has generated about \$5 billion for the biotech firm Vertex.

A near-term goal is the development of an FSU Drug Discovery Institute. "It is one of my dreams," he said. "Hopefully, we can make the next big discovery here."

EXPANDING PERSPECTIVE

Jeffrey Harman, professor of behavioral sciences and social medicine, and **Heidi Kinsell**, assistant professor of geriatrics, are working with an international collaboration of researchers on improving care for people who are disabled or otherwise face complex medical problems.

Their effort is to find common language and the ability to interpret findings in research involving vulnerable individuals across a variety of health and social service settings. Harman and Kinsell have access to relatable data from 35 countries through interRAI, a collaborative network of researchers and practitioners.

Developing such research tools has far-reaching implications in Florida, where assessing health-care delivery mechanisms is an important part of helping the state provide adequate resources.

"So if we're looking at the quality of care in Florida nursing homes, interRAI will provide benchmarks to help make comparisons to the quality of care being provided in nursing homes in other states or countries," Harman said. "Likewise, if Florida wants to assess community mental health care, you could benchmark your data and compare it to levels of care being provided in New York or Iowa or Canada or Russia or Hong Kong."



A COMMUNITY CHECKUP

The first step toward improving health outcomes in a community is also a most basic form of the college's research mission: assessing community health.

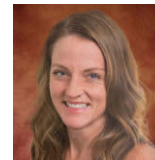
Claudia Blackburn, health officer for the Florida Department of Health in Leon County, and assistant professor of Behavioral Sciences and Social Medicine, led a two-year effort to produce the Leon County Community Health Assessment (CHA).

The report, completed in 2018, involved contributions from 22 community organizations and several community members in a partnership also involving United Way of the Big Bend and Tallahassee Memorial HealthCare.

The report concludes that while people in Leon County are generally healthy, challenges and disparities are evident in neighborhoods facing socioeconomic challenges. Mental health concerns are frequently identified as a priority issue, and high rates of sexually transmitted infections and HIV persist.

Department of Behavioral Sciences and Social Medicine faculty members **Les Beitsch** and **Karen Geletko** served on the CHA steering group and a number of FSU medical students participated in conducting door-to-door surveys in neighborhoods throughout Leon County.

The next step will be the development of a Community Health Improvement Plan, including the establishment of a set of goals, action plans and evaluation criteria.



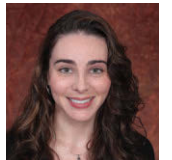
MEDICAL STUDENT RESEARCH

Through the Summer Research Fellowships program FSU medical students have an opportunity to conduct Ph.D.-level research with faculty mentors (and in some cases clerkship faculty or faculty from other colleges and institutions) on a variety of clinical and biomedical research projects.

In the last two years, 53 students have each received \$4,000 awards to conduct their research. More than 200 students have been funded since 2005.





"The stipend is competitive with other summer research fellowships around the country and aligns with trends showing medical students are becoming more and more likely to pursue research experiences," said **Suzanne Baker**, assistant dean for graduate programs and medical student research.





"There's an increased interest specifically in clinically based research," Baker said. "This past year, we set up a research agreement with Tallahassee Orthopedic Clinic. They'll take a number of our students every summer for projects, and we're working on developing more relationships with community physicians and practices who have an interest in doing research and working with our students."








2018 RESEARCH HEADLINES


- **Pradeep Bhide**, the Jim and Betty Ann Rodgers Eminent Scholar Chair of Developmental Neuroscience, and his team produced findings suggesting nicotine use among fathers could cause cognitive deficits in his children and grandchildren. Epigenetic changes in key genes in the father's sperm are believed to lead to such deficits. The results were published in the open-access journal *PLOS Biology*. 
- Bhide and colleagues **Deirdre McCarthy** and **Cynthia Vied** received a three-year National Institutes of Health grant to support additional work on molecular mechanisms underlying transgenerational transmission of the effects of paternal nicotine exposure. 

- **Mohamed Kabbaj**, professor in the Department of Biomedical Sciences, received a five-year, \$2 million grant from the National Institutes of Health to study the safety of ketamine, a potential depression therapy some have called a wonder drug. "Hopefully, by the end of these five years we'll have more information for psychiatrists to decide whether ketamine can be safely prescribed for suicidal patients and for patients who do not respond to classic antidepressant treatment," said Kabbaj. 

- Research faculty member **Martina Luchetti** received a \$422,000 NIH National Institute on Aging grant to study how alcohol consumption may slow or accelerate age-related cognitive decline, as well as how cognitive functioning may impact alcohol consumption. 
- **David Meckes**, assistant professor of biomedical sciences, received a \$377,000 supplemental grant from the National Cancer Institute of the NIH to continue his work in describing how cells communicate with each other. Cells secrete small vesicles packed with proteins and RNA that allow life to flourish when secreted from a healthy cell. However, damaged cells may be sending signals that are a possible source for the spread of cancer and other diseases. 
- **Judy Muller-Delp**, professor of biomedical sciences, and **Emily Pritchard**, biomedical sciences research faculty and a biomedical engineer at the FAMU-FSU College of Engineering, developed a specialized splint that uses calibrated stretching to manage the symptoms of peripheral arterial disease (PAD). The splint is an affordable, convenient and safe intervention that has been demonstrated through clinical trials to promote  

blood vessel formation and decrease pain levels among PAD patients during walking.

- Delp also led a team of international researchers whose findings regarding the benefits of regular stretching for individuals with low mobility were published in the *Journal of Physiology*. “Our research suggests that static muscle stretching performed regularly can have a real impact by increasing blood flow to muscles in the lower leg,” said Delp.
- **Aimee Pragle**, assistant professor in the School of Physician Assistant Practice, and **Susan Salahshor**, professor, surveyed years of data on epidemiological and clinical factors and found that individuals with coronary artery disease and depression diagnoses occurring together have significantly poorer health outcomes, possibly as much as a two-fold higher risk of mortality in cases with the dual diagnosis. Their findings were published in the *Journal of the American Academy of Physician Assistants*. The article defines the criteria for major depression diagnosis, outlines an array of screening tools and offers a battery of recommended treatment options for at-risk CAD patients.  
- Assistant Professor **Raed Rizkallah** received a \$384,000 NIH and National Institute of General Medical Sciences grant to better understand an enzyme that may be a viable target for cancer therapy. The 

enzyme, called TOPK, has been found to be highly expressed in most cancer cells, and its high expression has correlated with poor patient prognosis.

- Autism Institute Director **Amy Wetherby** and former colleague Lindee Morgan conducted a three-year study measuring the effectiveness of a curriculum called SCERTS (SCERTS.com). The curriculum was developed by Wetherby and others in 2006 to address the challenges faced by children with autism spectrum disorder and related disabilities. The study was funded by a \$3 million grant from the Institute of Education Sciences in the U.S. Department of Education (DOE). It involved 60 schools mostly in North Florida and found that the curriculum improves learning among school-age kids whether or not they’re on the autism spectrum. 
- Wetherby also received a five-year, \$3.3 million DOE grant to study the efficacy of the Early Social Interaction (ESI) model for toddlers with early signs of Autism Spectrum Disorder (ASD). ESI is a community-based program that provides early intervention for toddlers with ASD and their families. ESI teaches parents how to support their child’s social communication, emotional regulation, and play in everyday activities and settings.
- Wetherby also received a \$1 million DOE grant to study the effectiveness of an early social interaction model for toddlers who display signs of ASD in community early-intervention programs.

THANKS TO OUR SUPPORTERS

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46



THEY HELPED RAISE THE TORCH

In 2018, Florida State celebrated the success of its Raise the Torch campaign, which actually exceeded its unprecedented fundraising goal of \$1 billion. Each college and unit within the university contributed to Raise the Torch's eight-year success. Here is a sampling of gifts that directly benefited the College of Medicine:

- Naples Children & Education Foundation contributed more than \$2.2 million over five years supporting establishment of the college's Behavioral Health Initiative, to increase culturally and linguistically appropriate behavioral health services for children in Collier County. NCEF also funded expansion of the college's SSTRIDE outreach program in Immokalee in support of creating a diverse health-care workforce.
- The Jules B. Chapman, M.D. and Annie Lou Chapman Private Foundation provided more than \$675,000 for student scholarships, sponsorship of the FSU chapter of the Gold Humanism Honor Society and monthly health outreach for families who have experienced, or are at risk for, homelessness.
- Russ and Genie Morcom established the Morcom Endowment for Excellence with a \$1 million gift designed specifically to assist College of Medicine students who have financial need, strong academic and patient-centered skills, and a commitment to provide primary care.
- Erwin and Stefanie Jackson provided a \$1 million gift establishing the Brian Jackson Dystonia Research and Discovery Program at the College of Medicine. The fund supports the effort to find a cure for the neurological disorder and to increase public awareness about dystonia.



\$42,000 MORE IN SCHOLARSHIPS FROM CAPITAL MEDICAL SOCIETY FOUNDATION

For many of us, news items about scholarships can seem hum. "Oh, that's nice," we think, then turn the page. Reading the thank-you notes, though, can remind us that scholarships from the Capital Medical Society Foundation are often life-changing.

Here are thank-you-letter excerpts: "A huge smile and gasp of joy came over me." "We weren't sure how we would afford our basic living expenses and my tuition." "All we knew to do was pray for a solution." "I cried tears of joy." "Truly a blessing." "I will be forever grateful for this scholarship and will always remember Capital Medical Society as a group of people who made my second year of medical school possible."

Once again this year, the Capital Medical Society Foundation awarded scholarships to College of Medicine students on the basis of financial need. The scholarships, totaling \$42,000, went

to Mitchell Darnell (Class of 2022), Kole Forehand (2021), Jeffrey Johnson (2021), Julianna Kacheris (2021), Marvin "A.J." Rhodes (2020) and Caitlin Tweedie (2022).

This generosity is nothing new. The Capital Medical Society Foundation has been awarding scholarships to College of Medicine students since 2005 – and the cumulative dollar amount now is just shy of \$550,000.

The foundation realized long ago that academic debt can prompt some students who grew up wishing to practice primary care in Florida's Panhandle to seek higher-paying medical specialties out of the Panhandle or even out of the state.

Many past scholarship recipients are now practicing in or around Tallahassee. And some serve on the foundation's Scholarship Committee, returning the favor by investing in the future.

DANCE MARATHON: 'I'M GLAD WE HAVE THESE PROGRAMS'

There was a subtle change in Dance Marathon at FSU this year. Instead of the Pi Kappa Alpha Team or the Marching Chiefs Team, there was Team Nicole or Team Powie, named for the children whom DM so famously serves.

"It focuses less on the competition between people and more on 'We're doing all of this for them,'" said Sean Gabany, an FSU sophomore whose Dance Marathon titles include family relations coordinator. "Some people might think we work only with the kids. But the families need a lot of support, too. Especially the siblings."

Dance Marathon at FSU is the largest student-run philanthropy in the Southeast. Every year during a 40-hour event, more than 1,800 students stay awake and on their feet to raise money and awareness "For the Kids." About half of the money benefits UF Shands Children's Hospital in Gainesville, which is the closest Children's Miracle Network

hospital. And about half comes to the FSU College of Medicine.

A graph on dmfsu.org tells the story:

- In 2012, the student dancers topped \$500,000 for the first time.
- In 2015, they topped \$1 million.
- In 2018, they topped \$2 million.

So in September, DM representatives brought the College of Medicine a check for \$1.017 million. The college distributed some of the proceeds to area pediatric-outreach initiatives at Tallahassee Memorial HealthCare, Bond Community Health Center, Big Bend Hospice and the FSU Center for Prevention & Early Intervention Policy's Young Parents Project. But it annually invests the lion's share in its year-round primary-care clinics at three schools in Gadsden County.

Gabany is in his second year with DM and loves the family connections.



"It's not just raising money and giving it and never seeing what it's actually doing," he says. "We can actually see the impact we're having through the equipment we buy or the programs that we fund, and also just in seeing these kids and seeing how they really have relied on our support."

"I've been to the clinics in Gadsden County. I'm a teaching assistant this year in their schools, so I see these kids. I'm glad we have these programs out there to help them. They definitely need it."



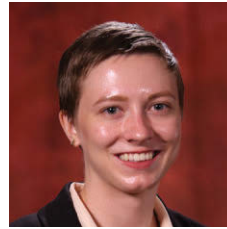
'INCREDIBLY PROUD': THE CHAPMAN REPORT

The name "Chapman" has come to represent the ideal of humanism in medicine. Each year, thanks to continuous gifts from the Jules B. Chapman, M.D. and Annie Lou Chapman Private Foundation, there are new stories to tell about humanism on display at the College of Medicine.

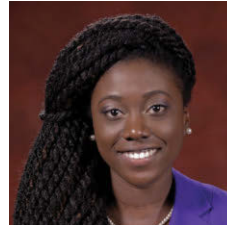
In 2018, for example, 10 more students received Chapman Humanism Scholarships. The latest recipients are **Nick Adams** (two-time recipient), **Jordan Carbono**, **Conor Cronin**, **Efe Cudjoe** and **Casey Mason** (all Class of 2020); and **Elizabeth Dennison**, **Shelby Hartwell**, **Maurice Inkel**, **Richmond Laryea** and **Joey Leonard** (all Class of 2021).

"I'm incredibly proud of this," said Professor **Robert Watson**, trustee of the foundation. "To the best of my knowledge, it is a unique scholarship. Five first-year students and five second-year students, chosen solely for the humanistic qualities that they've exhibited" – such as compassion and empathy. "And the second unique thing is they're chosen primarily by the standardized patients" – those whose role is to portray medical symptoms, to help students sharpen their skills in patient care.

Another Chapman project that continues to bear fruit is the Chapman Community Health Program, through which students have formed a partnership with residents of the Maryland Oaks Crossing community. Past successes include monthly health screenings, smoking-cessation workshops, a community garden and food pantry, and regular social activities.



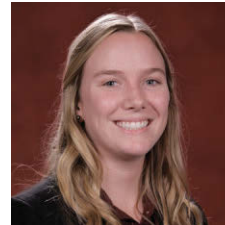
Hartwell



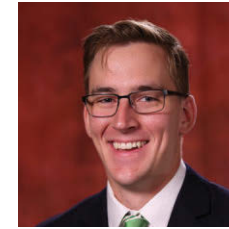
Cudjoe



Cronin



Mason



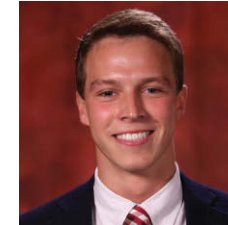
Leonard



Dennison



Carbono



Inkel



Laryea



Adams

"I've had so many senior students tell me it was the best educational experience they had in medical school," Watson said.

Those programs are just the tip of the Chapman iceberg. In addition, there's a \$100,000 Chapman Humanism Fund endowment, ready to bring new community-serving projects to life. There's a separate new Humanities & Arts in Medicine Program, which hopes to have a Chapman Memorial Garden in place by the end of 2019 – and which will continue to support *HEAL*, the longtime journal that celebrates Humanism Evolving through Arts and Literature.

Money from the foundation also pays for the white coats that first-year med students receive, to introduce them to the healing profession. And it helps support learning in the migrant-rich community of Immokalee, both for high-school-

age would-be physicians and for med students who travel there for multicultural experiences.

Watson can't wait to see where the students' humanism ideas lead them next.

"The Chapman Foundation has given me incredible mentors that showed the true meaning of compassion, kindness and empathy in medicine," said Mason, formerly executive director of the Chapman Community Health Program. "It has given me friendships with community members and classmates alike that continue to teach me perseverance and generosity. Every day in clinic, I wear my Chapman Community Health Program pin as a badge of honor on my white coat, and as a continual reminder to practice these humanistic values with every person I encounter."

THANK YOU FOR YOUR GIFTS

The friends of the College of Medicine have been generous again this past year. With our sincere appreciation, here is a partial listing of gift-makers and pledgers from July 1, 2017-June 30, 2018. Donors help provide support for student tuition, for pipeline programs that increase the diversity of our student body, for essential research that leads to a healthier community, for our six regional campuses, and for various programs that enrich our students' experience. We are grateful for all gifts, large and small.

Jim McNeill, *assistant dean for development*
jim.mcneill@med.fsu.edu, 850-644-4589

Amber Saltzman, *senior development officer*
asaltzman@foundation.fsu.edu, 813-758-5257

Chrys Goodwyne, *development officer*
chrys.goodwyne@med.fsu.edu, 850-644-5555

Listed below are revenue/donations received during fiscal year 2018

(For a record of lifetime giving to the College of Medicine, visit <https://med.fsu.edu/giving/lifetimeHonorRoll>)

\$100,000 OR MORE

Jules B. Chapman, M.D. and Annie Lou Chapman Private Foundation
 Dance Marathon at FSU (Southeastern HealthCare Foundation Inc.)
 W. Russell and Eugenia M. Morcom
 Naples Children & Education Foundation Inc.
 Orlando Health

\$25,000-\$99,999.99

Autism Navigator LLC
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 Florida Medical Practice Plan Inc.
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 Helen N. Livingston
 Medical Building Enterprises Inc.
 Pipe Dreams of Tallahassee LLC
 Tallahassee Memorial HealthCare Foundation Inc.

\$5,000-\$24,999.99

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 Archbold Medical Center
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Florida Medical Association, Inc.

Florida State Primitive Baptist Convention Inc.

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Renee Hamad

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Myra M. and Julian E. Hurt

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Humayun A. and Mary Jamidar

Michael R. and Michelle L. Jampol

Kathleen M. Kennedy and Gerald F. O'Brien

Steven P. Latshaw

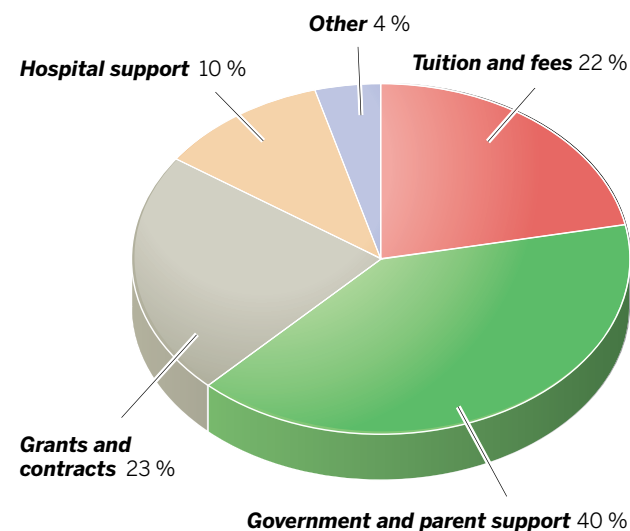
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COLLEGE OF MEDICINE
 EXPENDITURE SUMMARY, 2017-18

PERCENT OF TOTAL REVENUES



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Paul McLeod, M.D., Senior Associate Dean for Regional Campuses

Daniel Van Durme, M.D., MPH, Senior Associate Dean for Clinical and Community Affairs

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Kema Gadson, Ed.D., Assistant Dean for Student Affairs and Diversity

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