



School of Medicine

University of Missouri

Health Affairs Committee
Steve Zweig, MD, Interim Dean

Admissions 2019



Meet the **CLASS OF 2023**

112
Students
CURRENTLY ENROLLED



Average Science GPA: **3.7**
Average Total GPA: **3.75**
Average MCAT Score: **509**

GEOGRAPHIC REPRESENTATION



TEXAS - 1
PENNSYLVANIA - 1
NORTH CAROLINA - 1
NEW YORK - 1
KANSAS - 1
RHODE ISLAND - 1
TENNESSEE - 1
ILLINOIS - 2
MINNESOTA - 3
CALIFORNIA - 4
MISSOURI - 96

3,366
TOTAL APPLICATIONS
highest number of applications
ever received by the school

405
Interviews
scheduled

157
Applicants
accepted

Students from socioeconomically disadvantaged backgrounds:

22%

Students from rural areas:

16%

Students from Missouri:

86%

34%

Students who self-identify
as an ethnic minority

17%

Students who self-identify as
underrepresented minorities

AGE RANGE: **20** **39**



59



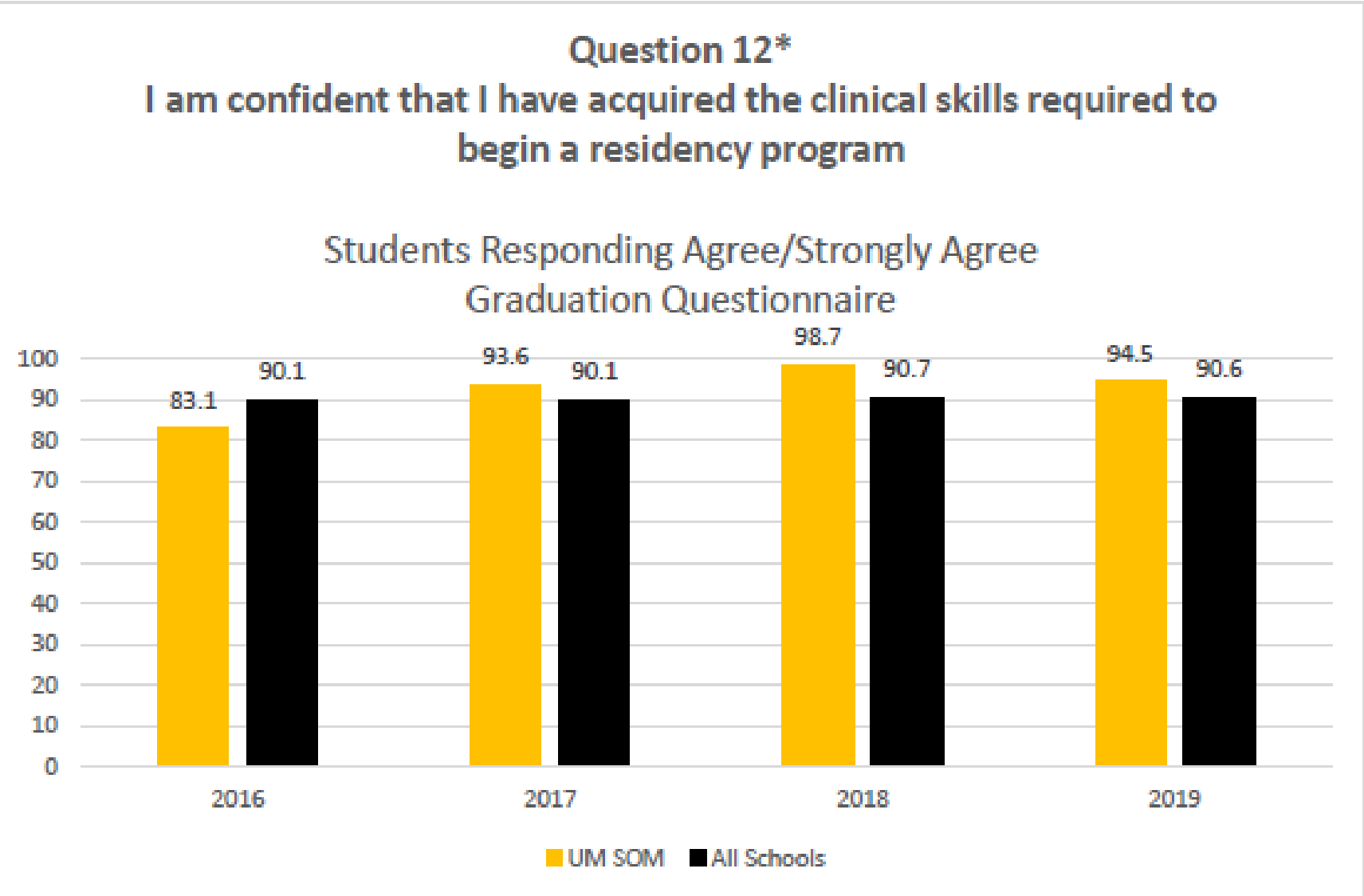
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What Our Students Are Saying

“I want to be the kind of physician who ...”

- ... does the right thing even when it's difficult.
- ... actively seeks opportunities to learn from, reflect on and adapt to the ever-changing world of medicine for the good of my patients.
- ... is excited to be guided to and through the unknown.
- ... advocates for my patients, especially when they cannot be an advocate for themselves.
- ... delivers open and honest, culturally competent care tailored to each patient's needs.
- ... puts the well-being of patients over profits and self-interests.

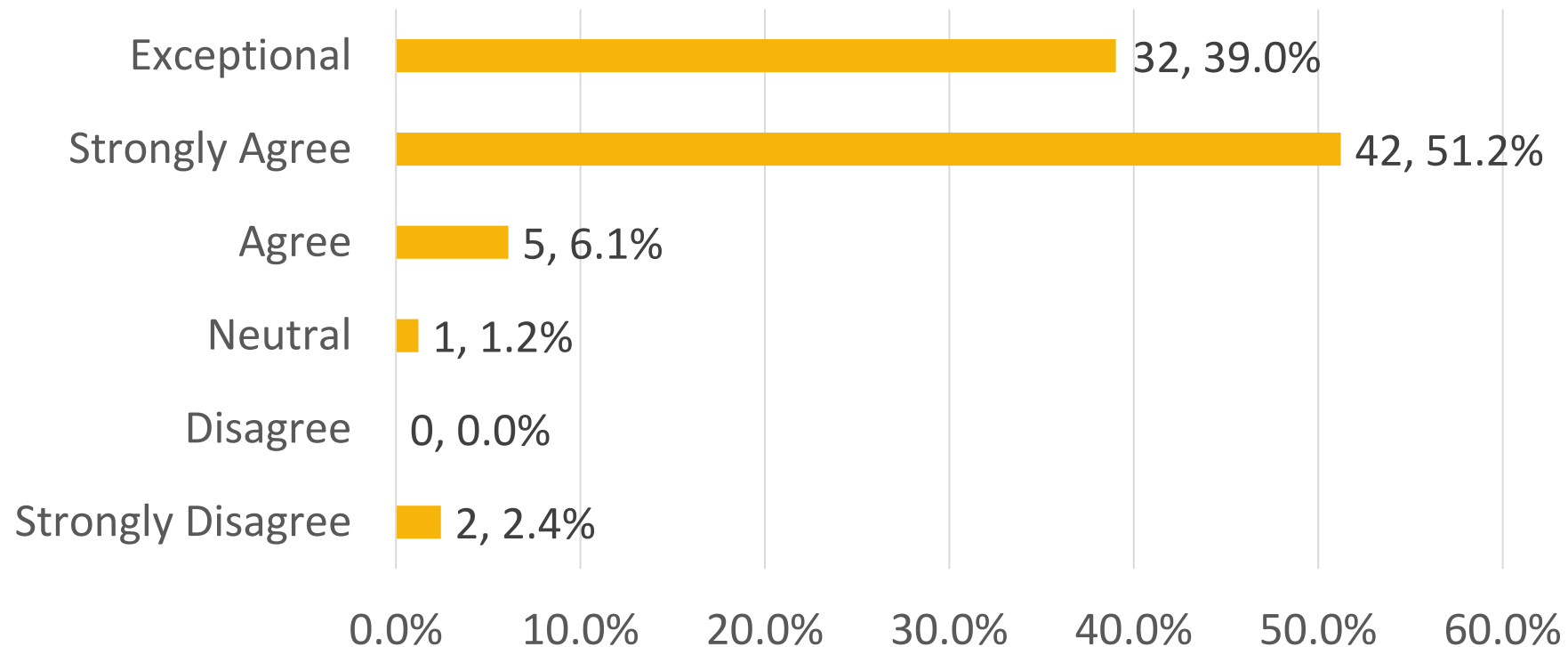
Medical Student Education



Medical Student Education

Accomplishments

- Program Directors Survey (2018)
- “Overall, this MU graduate demonstrates the qualities of a good physician.”



University Physicians

UP Productivity First 6 Months FY2020

Productivity Analysis	FY19	FY20	Net increase	%
Charges	\$289,831,091	\$313,979,613	+\$24,148,522	+ 8.3
Net Payments	\$103,509,326	\$115,127,035	+\$11,617,709	+11.2
Physicians (FTE)	509	517		

SOM Research

Research Expenditures – FY19 vs. FY20

<u>Prior YTD</u>	<u>FY2020 to date</u>	<u>Net increase</u>	<u>%</u>
\$16,487,997	\$22,604,606	+\$6,116,609	+37%

Strategic Plan – Major Goals

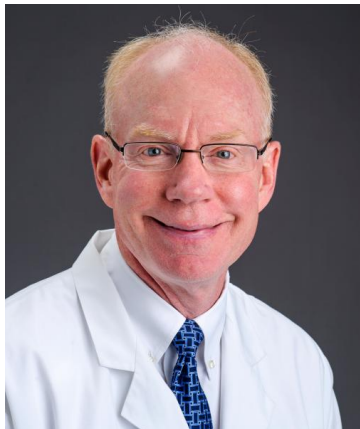
1. Train, attract and retain exceptional talent
2. Fuel discovery through collaboration
3. Make translation an aspiration
4. Align and grow clinical research
5. Create a structure that sustains excellence

Areas of Strength to Support NextGen PHI

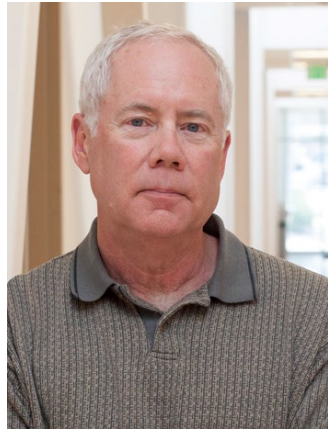
Area	Funding over 5 years (millions of dollars)	Number of anticipated hires
Cardiovascular & Metabolic	\$ 31.1 million	7
Oncology	10.0	8
Virology & Immunology	17.4	10
Neurosciences	8.3	4
Chronic Disease/Outcomes research	6.9	4
Reproductive Biology		3
Data Science/Informatics		2
Other		2

PHI -MU Major Grants & Awards

- Midwest Biomedical Accelerator Consortium (MBArc)
- One of 5 NIH-sponsored REACH (Research Evaluation and Commercialization Hub) programs
- Involves all 4 UM universities to commercialize new medical technologies
- PIs: Bill Fay, Sheila Grant, Bill Turpin
- Total funding: \$3.9M



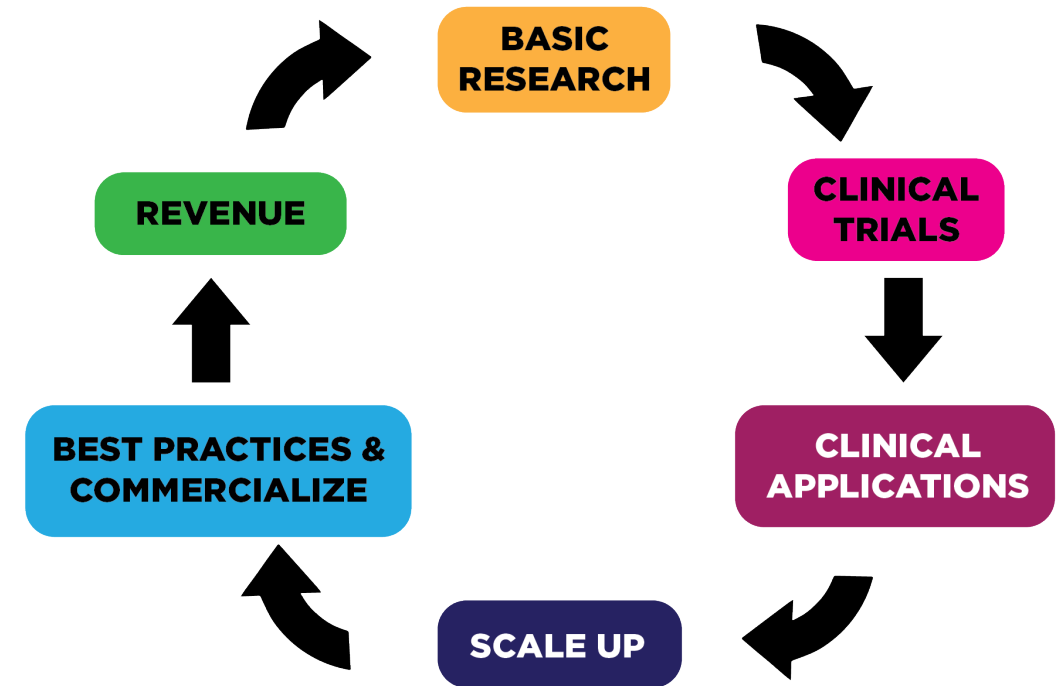
Bill Fay



Bill Turpin

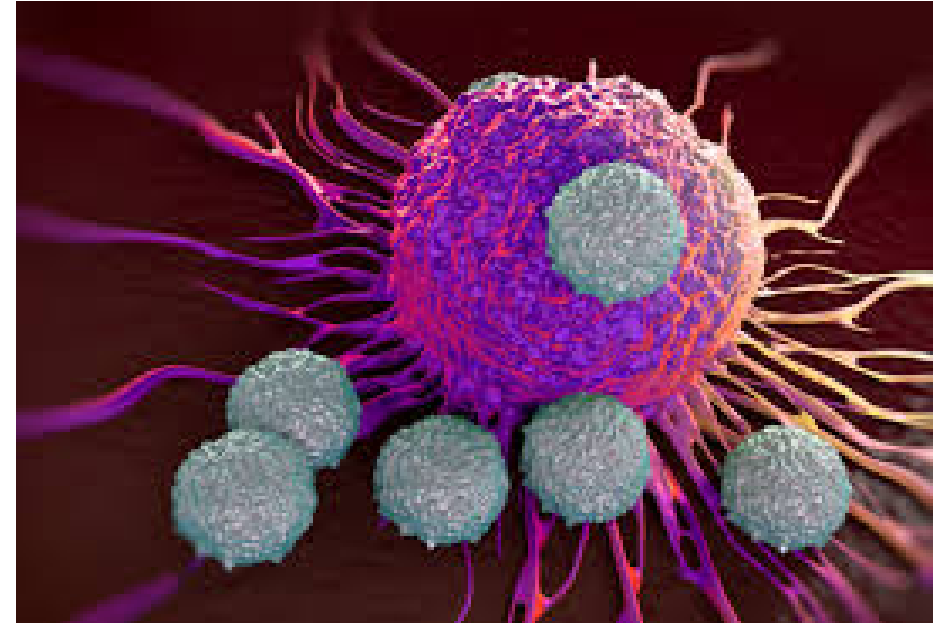


Sheila Grant



PHI - MU Major Grants & Awards

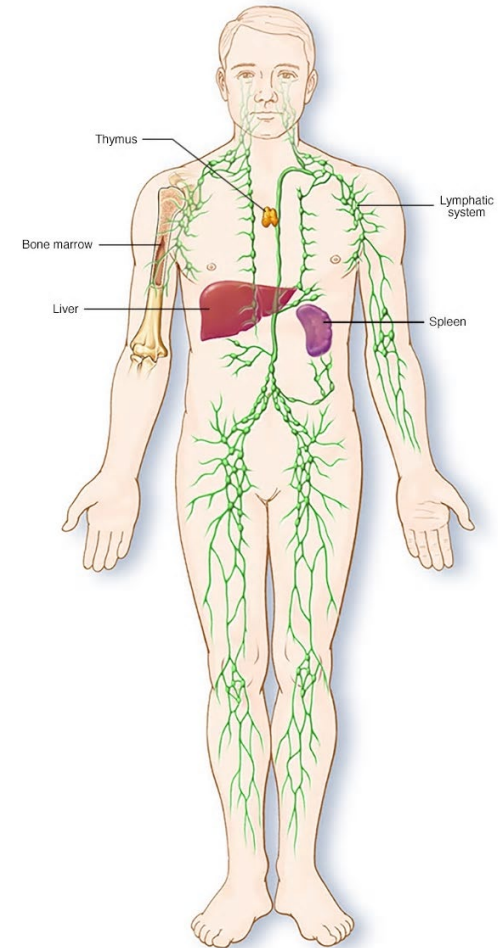
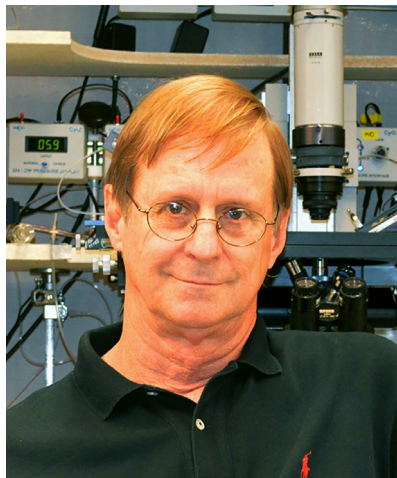
- Cancer Moonshot Project (NIH U01)
- *Human CD3-epsilon co-potentiation to boost immunotherapy*
- PI: Diana Gil-Pages
- Total funding: \$3.7M



The NIH grant will further research on immunotherapy that will teach the immune system to recognize and attack cancer cells.

PHI -MU Major Grants & Awards

- Lymphatic Biology and Disease
- R01: *Lymphatic Pacemaking and Pumping in Lymphedema: Function, Dysfunction, and Rescue*
- PI: Michael J. Davis
- Total funding: >\$5M



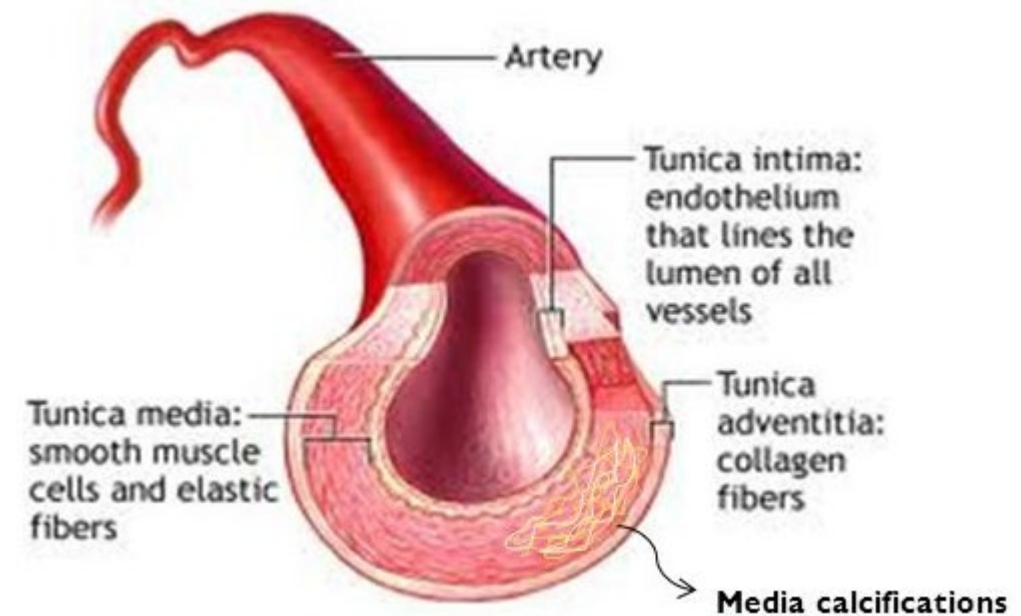
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Human lymphatic system

OPEN-HEALTH AFF - INFO 1-11

PHI - MU Major Grants & Awards

- Arterial stiffness in diabetes
- R01: *Estrogen Receptor- α Signaling in Endothelial Cells Exacerbates Arterial Stiffening via Up-regulation of ENaC in Insulin Resistant Females*
- PI: Camila Manrique Acevedo
- Total funding: \$3.5M



de Oliveira Alvim. Int. J. Cardiovasc. Sci. 2017;30

MU Major Grants & Awards

An Innovative Model to Increase Primary Care Physicians for Rural and Underserved Missouri

- PI: Kathleen Quinn, MU School of Medicine
- \$4.3M Grant
- Health Resources and Services Administration (HRSA)
- Largest grant for rural medicine in UM history



**15% OF ALL AMERICANS
LIVE IN RURAL AREAS**

Rural Americans are at **greater risk of death** from 5 leading causes than urban Americans

- Heart Disease
- Cancer
- Unintentional Injury
- Chronic Lower Respiratory Disease
- Stroke

Infrastructure to advance clinical research

- **Functions**
 - Research design/coordination
 - Data analysis
 - Statistical support
 - Informatics/Bioinformatics
 - Grants and contract support
 - Grant writing
 - Navigators
- **Partners:** Tiger Institute, MU Informatics, Clinical Research Center, NextGen PHI



Questions?