





CLASS OF 2024

49

Students from 4,299 AMCAS applications 3.58

Average GPA 3.31 (10th percentile) to 3.94 (90th percentile)



Representing 35 Undergraduate Institutions

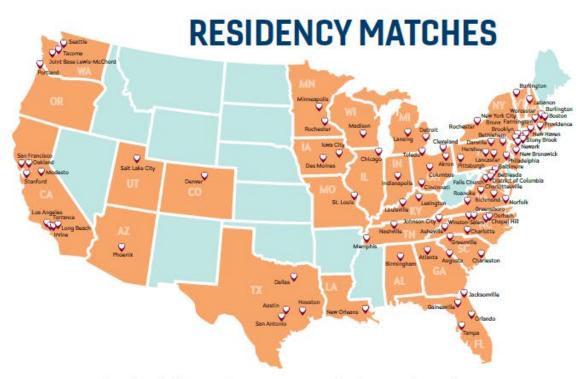


Underrepresented Minorities



14[%]
First Generation
College Students





VTCSOM graduates from the first seven classes (2014-2020) matched to outstanding residency programs across the U.S., including Baylor University, Cornell University Weill Medical College, Duke University, Emory University, Icahn School of Medicine, Johns Hopkins University, Mayo Clinic Rochester, New York-Presbyterian/ Columbia University Medical Center, Northwestern University, Oregon Health and Science University, Stanford University, University of California San Francisco, University of Chicago, University of Colorado Denver, University of Minnesota, University of North Carolina, University of Pittsburgh, University of Texas Southwestern, University of Washington, University, and Yale University.

Our graduates enter a wide range of popular and competitive specialties, including Anesthesiology, Dermatology, Emergency Medicine, Family Medicine, Internal Medicine, Neurology, Neurosurgery, Obstetrics and Gynecology, Ophthalmology, Orthopaedic Surgery, Otolaryngology, Pathology, Pediatrics, Physical Medicine and Rehabilitation, Plastic Surgery, Psychiatry, Radiation Oncology, Radiology, Surgery, and Urology.

RESIDENCY MATCH STATS

100%

of graduates from all seven classes have matched to residency 94%

of graduates match in their first-choice specialty 33

states plus District of Columbia where graduates matched with programs



UPDATES FOR 2020-21

- 1. Leadership Changes
- 2. Health Systems Science & Interprofessional Practice
- 3. Diversity & Inclusion Task Force
- 4. Strategic Planning
- 5. Class Size Growth
- 6. Interprofessionalism Department Transformation



LEADERSHIP DEPARTURES



Patricia Wooten Human Resources Manager



Karen Eley Sanders, EdD Chief Diversity Officer



Kim Blair Assistant VP of Advancement



Kimberly Dunsmore, MD Chair, Pediatrics



NEW LEADERSHIP APPOINTMENTS





Cynthia Morrow, MD and
Natalie Karp, MD
Co-Leaders, Health Systems
Science and Interprofessional
Practice Domain



Melanie K.

Prusakowski, MD

Asst→Assoc Dean for Admissions



Azziza "Kemi" Bankole, MBBS Chief Diversity Officer



Sarah Henrickson Parker, PhD Chair, Department of Interprofessionalism



Daniel Karolyi, MD, PhD
Interim Chair → Chair,
Department of Radiology



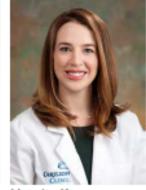
Donald Kees, MDInterim Chair, Department of Pediatrics



Medical school expands curriculum to include health systems science; names co-leaders

July 2, 2020





Cynthia

Morrow and

Natalie Karp

Tech Carilion

School of

Medicine's

are the coleaders of the Virginia

Cynthia Morrow

Natalie Karp

new health systems science and interprofessional practice domain. Morrow is the health director of the Virginia Department of Health's Roanoke and Alleghany Health Districts, adding synergies among the health district, medical school, and other organizations to advance the health of our region and community. "Medical education has to change to adapt to the needs of our patients and our health care system," said Karp, a urogynecologist and clerkship director.

Medical Science Educator https://doi.org/10.1007/s40670-020-01148-z

MONOGRAPH

Medical Science Educator

Building Health Systems Science Education from the Core Domain of Interprofessional Education at Virginia Tech Carilion School of Medicine

David W. Musick 1,2 1 · Richard C. Vari 3 · M. Suzanne Kraemer 4 · David B. Trinkle 2,5 · Patty M. Vari 6 · Judy C. Smith 7 · Lee A Learman⁸

Accepted: 29 October 2020

© International Association of Medical Science Educators 2020

02-22-21	Health Professions Educator Series: Health Systems Science				
Monday					
	Open Forum				
	12:00 pm - 1:00 pm				
	Via Zoom (Coo calendar invitation				

Via Zoom (See calendar invitation for online participation details)

What is Health Systems Science?

Lee A. Learman, MD, PhD Sarah Parker, PhD Natalie Karp, MD Cynthia Morrow, MD, MPH Open to all interested Carilion Clinic, VTC, and RUC faculty and other health professions educators





Mission

Our Mission is to advance an inclusive environment that attracts and retains the best talent, values diversity of life experiences and perspectives, and encourages innovation in our pursuit of equity.

VTC Medicine Diversity, Equity, and Inclusion / InclusiveVTCSOM Task Force

InclusiveVTCSOM Task Force Report February 1, 2021

InclusiveVTCSOM Task Force

The report is in!



InclusiveVTCSOM Leadership

Chairs
Michael Jeremiah, MD
Chair, Family & Comm Med

Fidel Valea, MD, Chair Obstetrics & Gynecology

Patricia Wooten Human Resources Manager



Liaisons

N.L. Bishop, MinD Senior Assoc Dean for Diversity, Inclusion, and Student Vitality

Karen Eley Sanders, EdD Chief Diversity Officer



Alicia Cohen, VT Director of Diversity Programs

Erin McCann, VT Director of Strategic Planning



InclusiveVTCSOM Steering Committee

Member's Name	Affiliation				
Dr. Michael Bergen	Assistant Professor, Radiology				
Dr. Elda Stanco Downey	Senior Instructor, Interprofessionalism				
Paul Hudgins	Carilion Clinic - SVP, Chief Human Resources Officer				
Dr. Don Kees	Carilion Clinic - Designated Institutional Official of GME				
Dr. Brittany Lloyd	Resident, General Surgery				
Giovanni Malaty	M4-Student				
Sahana Nazeer	M2-Student				
William Reis	M3-Student				
Kim Roe	Carilion Clinic - VP, Family and Community Medicine				
Kenny Young	M2-Student				



VTC Medicine Diversity, Equity, and Inclusion / InclusiveVTCSOM Task Force

Phase I Curriculum, M1 and M2 Years

- 1. Broaden the curricular content to include areas not currently incorporated or fully addressed, such as the impact of identity on healthcare delivery and outcomes, implicit bias, structural racism, race-based medicine, imposter syndrome, LGBTQ+ and multicultural aspects of history and exam skills.
- 2. Ensure that faculty utilize content and teaching approaches that address bias and racism, and reflects broader diversity of patient examples and cases.

Phase II Curriculum, M3 and M4 Years

- 3. Modify curricular content to ensure that concepts of race, racism, and race-based medicine are addressed wherever applicable.
- 4. Ensure that faculty and clerkships are evaluated on their ability to appropriately address the topics of race, racism, and race-based medicine.

Student Support

- 5. Cultivate an inclusive VTC campus culture through a deliberate messaging campaign and dedicated space for activities, services, and celebration of diversity.
- 6. Enhance student support services with a focus on counseling, financial aid and literacy, and use of a campus-based ombudsperson.
- 7. Recognize student performance and success in expanded ways that ensure equity across the diversity of the student body.

1 ------

Community Engagement

- 8. Create new opportunities for partnerships and programs that will enhance engagement with our community throughout the Greater Roanoke Area to solidify the school's reputation as a trusted resource and valuable health education partner.
- 9. Deliberately and systematically, foster community involvement and support by the students, faculty, and staff.
- 10. Provide opportunities and expectations for faculty, staff, and students to learn about the history of diversity, race and healthcare, social justice, inclusion, and exclusion that has shaped the local population.

Admissions

11. Utilize multiple strategies to consistently meet or exceed the compositional diversity of students at public medical institutions in Virginia.

Faculty & Staff Recruitment, Development & Retention

12. Share and utilize best practices across VTCSOM, Fralin Biomedical Research Institute (FBRI), Virginia Tech, and Carilion Clinic to recruit, mentor and retain a diverse faculty and staff.

Learning & Working Environment

- 13. Optimize the process of reporting concerns related to issues of diversity, equity, and inclusion in the learning and working environment.
- 14. Provide additional training opportunities and requirements (e.g., implicit bias, microaggressions, and bystander role) for faculty, residents, staff, and students.
- 15. Intentionally reach out to appropriate individuals and committees of Carilion Clinic to align and strengthen efforts related to the learning and working environment on issues of diversity, equity, and inclusion.



VTC Medicine Diversity, Equity, and Inclusion / InclusiveVTCSOM Task Force

Implementation Plan

Initial Tasks and Timelines

FEBRUARY 2021

VTCSOM leaders met with working groups to clarify recommendations, determine resource needs

- Phase 1 curriculum: Rick Vari
- Phase 2 curriculum: Tracey Criss
- Student support: Aubrey Knight
- Community engagement: Dave Trinkle
- Admissions: Melanie Prusakowski
- Learning/Working Environment: Dan Harrington
- o Faculty/Staff Recruitment, Development, Retention: **David Musick**

Critical needs requests totaling \$150,000 for FY22 submitted to Virginia Tech finance on 2/26/21



VTC Medicine Diversity, Equity, and Inclusion / InclusiveVTCSOM Task Force

Implementation Plan

Initial Tasks and Timelines

MARCH 2021

- Dani Backus designated as project manager responsible for:
 - Organizing and tracking progress with implementation
 - Developing milestones, metrics, and summary dashboards
 - Linking efforts to strategic plan and institutional effectiveness reporting
 - o As requested, providing updates to accountable leaders, diversity team, Dean
- Dean, accountable leaders, project manager, finance and diversity team to review and finalize implementation timelines under various budget scenarios
- Communications strategy development
- March 22 5:30-7pm: Town Hall for VTCSOM Community



Dani Backus, MS, PMP, SSGB

Senior Director, Institutional Effectiveness and Accreditation

540-526-2516

dbackus@vt.edu

Riverside 1 Suite 107



Change Management Approach

Phase 1 – Creating a climate for change: completed

- 1. Create urgency June 2020 Town Hall
- 2. Form a powerful coalition August 2020 (Task Force formed)
- 3. Create a vision for change February 2021 (TF recommendations)

Phase 2 – Engaging and enabling the whole organization: in progress

- 4. Communicate for buy-in March 22 Town Hall
- 5. Empower action
- 6. Create short-term wins

Phase 3 – Implementing and sustaining change: pending

- 7. Don't let up (pressure to revert to old ways)
- 8. Make it stick (a culture that eats strategy for breakfast)



VTC Medicine Diversity, Equity, and Inclusion / InclusiveVTCSOM Task Force

On behalf of a grateful medical school I send my heartfelt thanks to all of you who served on the Task Force, its steering committee and working groups. Special recognition is due our medical students for being engaged in every aspect of this work, and our task force co-chairs and Karen Sanders for assuring a comprehensive and informative report was completed by February 1. Thank you for entrusting your recommendations to us for implementation, and for joining us on the journey ahead!

Lee Learman, MD, PhD

Dean

Read the InclusiveVTCSOM Task Force Report

https://medicine.vtc.vt.edu/diversity/taskforce/report.html





VIRGINIA TECH...

VTCSOM STRATEGIC PLAN

VTCSOM Strategic Plan Timeline

In collaboration with our parent university (Virginia Tech), our health system partner (Carilion Clinic) and other community stakeholders, we will understand the challenges and opportunities we face as a medical school and respond with a comprehensive plan to achieve feasible, Mid-to Late January sustainable and measurable objectives.

Feedback/engagement sessions

| | December

Office for Strategic Affairs synthesizes and analyzes survey responses and shares results

February - March

Draft VTCSOM strategic plan

Primary Role	Survey Responses					
Faculty	160					
Staff	32					
Resident/Fellow	51					
Roanoke Community Member	45					
VTCSOM Alumni	61					
Dean or Chair	10					
Medical Students	112					
M1 Student	40					
M2 Student	38					
M3 Student	21					
M4 Student	13					
VTC Graduate Student	9					
Other	19					
Total	499					



Office for Strategic Affairs synthesizes and analyzes survey responses and shares results

February - March

 ${\sf Draft\ VTCSOM\ strategic\ plan}$

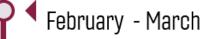
Strategic Planning Committee

Chairs

- David Musick, PhD, Senior Dean for Faculty Affairs
- Rebecca Pauly, MD, Professor and Vice Chair for Education, Department of Medicine

Committee Members

- Dani Backus, MS, PMP, SSGB, Senior Director, Institutional Effectiveness and Accreditation
- Paul Davenport, Vice President for Emergency Services and Care Management, Carilion Clinic
- Joshua Eikenberg, MD '15, MPH, Assistant Professor, Department of Medicine (Dermatology)
- Casey Engel, M1 Class President
- Daniel Harrington, MD, Vice Dean VTCSOM and Vice President for Academic Affairs, Carilion
 Clinic
- Heidi Lane, EdD, Assistant Dean for Clinical Skills Assessment and Education
- Eduardo Lara-Torre, MD, Professor and Vice Chair, Department of Obstetrics & Gynecology
- Giovanni Malaty, M4 Class President
- Sahana Nazeer, M2 Class President
- William Reis, M3 Class President



Draft VTCSOM strategic plan

April - May

Complete edits, communication formats

By June 1

Announce VTCSOM strategic plan including implementation steps via email and possible town hall





ETSU

286

CLASS SIZE GROWTH POTENTIAL

Original VTCSOM size = 168 (42 per class)

Neighbo	<u>ors</u>	Schools of Comparable Age (VTCSOM accredited in 2009)						
EVMS	607	Fl International (2007)	UT Austin (2015)	200				
UVA	666	U Central Florida (2008	3) 496	CA Northstate (2015)	338			
VCU	881	Florida Atlantic (2011)	256	Quinnipiac (2012)	380			
WVU	448	UC Riverside (2012)	254	Western MI (2012)	301			
UNC	846							
Duke	565							



VTCSOM 2019 Task Force on Class Size Increase

Name	Affiliation(s)	Title(s)
Tracey Criss, MD	VTCSOM/CC	Assoc Dean Clin Sci, Years 3 & 4
Hailey Gosnell, MS3	VTCSOM	Class of 2021 (Representative)
Sue Gregory	VTCSOM	Director of Finance
Daniel Harrington, MD	VTCSOM/CC	Vice Dean / VP Academic Affairs
Natalie Karp, MD	CC/ VTCSOM	OBGYN Clerkship Director
Don Kees, MD	CC/ VTCSOM	DIO, Vice Chair Pediatrics
Aubrey Knight, MD	VTCSOM/CC	Senior Dean, Student Affairs
Leslie LaConte, PhD	VTCSOM	Asst Dean Research
Heidi Lane, EdD	VTCSOM	Senior Director, Clinical Skills Assessment & Education
Christy Matthews	CC	Finance Manager
William Reis, MS2	VTCSOM	Class of 2022 (President)
Tarin Schmidt-Dalton, MD	VTCSOM/CC	Assoc Dean Clin Sci, Years 1 & 2
Richard Vari, PhD (Chair)	VTCSOM	Senior Dean, Academic Affairs
		Virginia Tech Carilion





The proposed increase would result in an entering class size of 49 medical students annually beginning in 2020, which is an increase of 7 students from the current 42 students.

LCME Determination	Resources appear adequate to support the proposed change
Required Follow-Up for	No further information on this item is requested at this time
the School	

- Space: 5 new offices, 2 new PBL rooms, expanded library seating
- Budget approved by Virginia Tech and Carilion Clinic for incremental growth from 42→49→56 per class



Potential Growth Plan

	AY19-20		AY20- 21		AY21-22		AY22-23		AY23-24		AY24-25		AY25-26		AY26-27
M1	42	7	49	_	49	4	53	3	56	_	56	_	56	_	56
M2			42		49	_	49	4	53	3	56		56		56
M3			42		42	7	49	<u>.</u>	49	4	53	3	56	_	56
M4			42		42	-	42	7	49	<u>-</u>	49	4	53	3	56
Total			175	7	182	11	193	14	207	7	214	7	221	3	224



Virginia Tech Carilion School of Medicine sees 48 percent increase in applications

December 2, 2020

The <u>Virginia Tech Carilion School of Medicine</u> received 6,374 applications, a 48 percent increase from last year's total of 4,299. The school's application deadline for the Class of 2025, which has 49 available seats, was Dec. 1.

"More and more people are discovering the Virginia Tech Carilion School of Medicine and recognizing it as a place to become systems-minded scientist physicians," said Lee Learman, dean of the Virginia Tech Carilion School of Medicine. "In addition, our continued success in matching all of our graduates to top-choice residency programs is attractive to prospective students."

The Virginia Tech Carilion School of Medicine has been in demand since the first class started their studies in 2010, but has become more competitive each year. Over the past five years, the Virginia Tech Carilion School of Medicine averaged around 4,000 applications for less than 50 available positions.

Medical school applications are up nationwide this year. The American Medical College Application Service, which processes submissions for most U.S. medical schools, reported a nearly 17 percent increase in applications near the end of October. In the past decade, the year-over-year increase has averaged less than 3 percent.



VTCSOM 2021 Task Force on Capital Growth

Name	Affiliation(s)	Title(s)
Tracey Criss, MD	VTCSOM/CC	Assoc Dean Clin Sci, Years 3 & 4
Hailey Gosnell, MS3	VTCSOM	Class of 2021 (Representative)
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Richard Vari, PhD (Chair)	VTCSOM	Senior Dean, Academic Affairs
	·	Virginia Toch Carilion

Departmental Transformation

Interprofessionalism

IPE Domain

Community & Culture

Healthcare innovation and implementation science

HSSIP Domain

Community & Culture

Research: Science of Healthcare Delivery





2021-22 Preview

- 1. Welcome 2nd class of 49, consider future growth
- 2. Continue HSSIP curriculum implementation
- 3. Adapt curriculum schedule to address Step 1 P/F
- 4. Implement InclusiveVTCSOM Recommendations and refreshed VTCSOM Strategic Plan
- 5. Recruit research faculty, submit center proposal
- 6. Continue robust fundraising efforts



Medical school alumni return to serve in Southwest Virginia

January 5, 2021



As the Virginia Tech Carilion School of Medicine's charter class finishes residency and fellowship training, some are beginning to put down roots where their medical education began in Roanoke, Virginia. Left to right:

- Andrew Moore: EM (NW), Res (OHSU)
- Robert Brown: IM/EM, CritCare (U Maryland)
- Don Vile: IM, Hem-Onc (Wake Forest)
- Josh Eikenberg: Dermatology (Carilion)
- Matt Joy: Plastic Surgery (Carilion),
 Reconstructive Microsurgery (U Penn)
- Ashley Gerrish: Surgery (Carilion), MIS (VCU)



Annual Meeting of the VTCSOM Faculty Association March 1, 2021

Patrice M. Weiss, M.D.

Carilion Clinic

Executive Vice President, Chief Medical Officer

Professor Virginia Tech Carilion School of Medicine













VISION CLINIC VISION 2025















Executive champion: Nancy Howell Agee

SMT champions: Paul Davenport; Joseph Moskal, M.D.

Partnerships and collaborations with individuals, businesses and policymakers contribute to health and economic vitality.





CONNECTED, CONVENIENT, COLLABORATIVE CARE

Executive champion: Steve Arner

SMT champions: Steve Morgan, M.D.; Meg Scheaffel

Patient-centered, coordinated, collaborative care improves health outcomes, patient satisfaction, staff productivity and morale and reduces overall cost of care. Team-based, interprofessional care is a hallmark of the Carilion way.



CLINICAL ADVANCEMENT AND PATIENT SAFETY

Executive champion: Jeanne Armentrout

SMT champions: Carl Cline; Suzanne Kraemer, M.D.

Enterprise-wide (ambulatory and inpatient) shared responsibility for an effective, data-driven, continuous quality improvement culture with high reliability; safety is our number-one priority. Clinical advancement and patient safety are guided by achieving top decile outcomes, seamlessly coordinated care and excellent patient experience.





Executive champion: Donald Halliwill

SMT champions: Matthew Barr; Shirley Holland

Improve outcomes for preventable mortality, morbidity and prevalence of conditions that impact adults' ability to work, children's ability to learn and seniors' ability to enhance their safety and well-being.



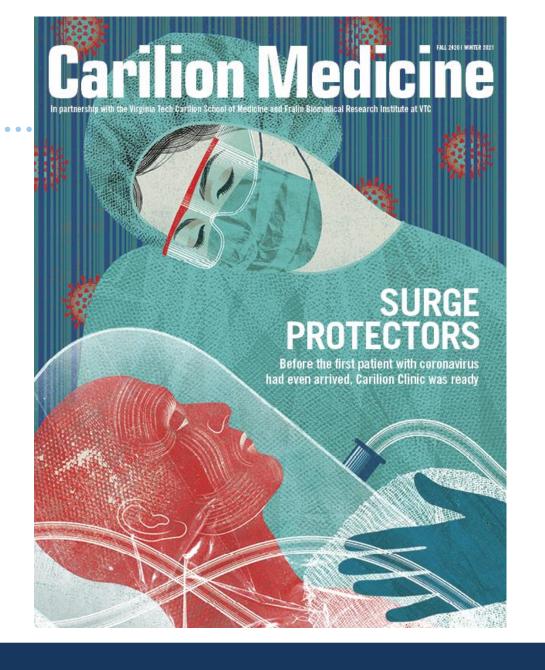
INNOVATION AND RESEARCH

Executive champion: Nicholas Conte

SMT champions: Michael Abbott; Keith Perry; Paul Skolnik, M.D.

Spur innovation and research to solve care delivery issues and improve patient outcomes and economic vitality.







Faculty Affairs Update

David W. Musick, Ph.D.
Senior Dean for Faculty Affairs





Faculty Affairs – General Update



- Our faculty now participating fully in governance at Virginia Tech
- Committees, Commissions, Councils, Faculty Senate
- Many thanks to all who are serving!





Coming Attractions!

- COVID-related promotion extensions
- Tenure to employment for VTemployed faculty
- Name change: Department of Interprofessionalism to Department of Healthcare Innovation & Implementation Science
- Ongoing work on promotion guidelines (school, departments)







Faculty Bylaws (Sent Out Prior)

- 1. Removal of LETS-C committee
- 2. New committee: VTCSOM Honor Board
- 3. Category of secondary faculty appointments
- 4. Voting privileges for all faculty

- 5. Faculty "assembly" now "association"
- 6. Peer evaluation of teaching required in TTT track
- 7. Visiting faculty appointments
- 8. Promotion terminology





Upcoming Elections to Faculty Committees

- Opportunities available to seek election to both VTCSOM and university faculty committees, commissions, councils
- Call for nominations to be distributed in the coming weeks
- Elections will take place in early to mid-April
- Committee terms begin July 1, 2021





Appointment, Promotion and Tenure (APT) Committee

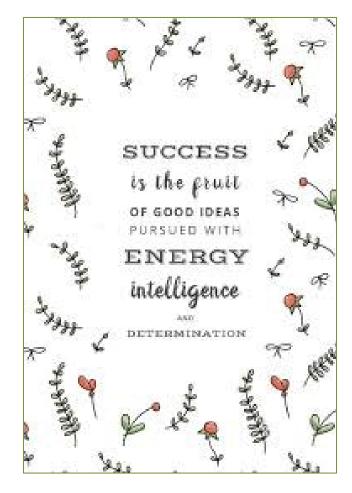
- 107 faculty members have received promotion within VTCSOM from inception to June 30, 2020
- All promotions are reviewed by Department Chairs, Departmental APRT Committees, APT Committee, Dean, Provost, President and Board of Visitors
- https://medicine.vtc.vt.edu/faculty-affairs/promotion.html





2019-20 Faculty Promotions









Promotions: Assistant to Associate Professor

- Dr. Joshua Adams-Surgery
- Dr. Anyanwu Chinekwu-Internal Medicine
- Dr. Anthony Baffoe-Bonnie-Internal Medicine
- Dr. Allen Blackwood-Pediatrics
- Dr. Anthony Capito-Surgery
- Dr. Mark Feldmann-Surgery

- Dr. Silvia Jaimes Ocazionez-Pediatrics
- Dr. Amy Kryder-Pediatrics
- Dr. Sarah Parker-Basic Science Education
- Dr. Krish Ramachandran-Internal Medicine
- Dr. Justin White-Psychiatry and Behavioral Medicine





Promotions: Associate Professor to Professor

- Dr. Michael Fox-Pediatrics & Basic Science Education
- Dr. Tananchai (A) Lucktong-Surgery
- Dr. William Rea-Psychiatry and Behavioral Medicine
- Dr. Jon Sweet-Internal Medicine

