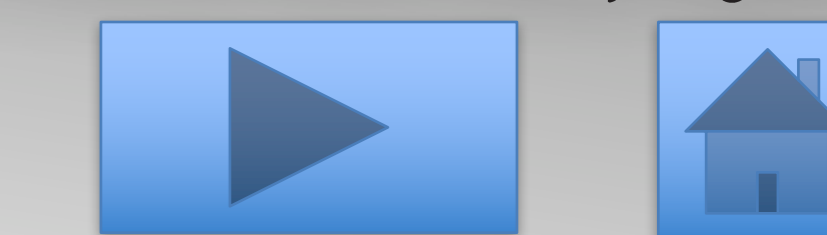




FAMILY MEDICINE ACCELERATED TRACK (FMAT)



Consortium of Accelerated Medical Pathway Programs



TEXAS TECH UNIVERSITY
HEALTH SCIENCES CENTER

School of Medicine

Texas Tech University Health Sciences Center School of Medicine

Betsy G. Jones EdD, Ron Cook DO, Simon Williams PhD, [Project Team](#)

Program Overview

FMAT is an innovative 3-year accelerated medical school curriculum that culminates in the M.D. degree and leads to a standard 3-year family medicine residency at one of three Texas Tech programs, in Lubbock, Amarillo, or the Permian Basin. **The purpose of FMAT is to prepare primary care physicians more efficiently and with less cost.**

FMAT students complete two years of basic science coursework in Lubbock, followed by at least 4 years on the campus where they complete both the final year of medical school and three years of family medicine residency training. The FMAT program is limited to 10-12 students per year in each class. The regular 4-year curriculum at Texas Tech School of Medicine covers 160 weeks of instruction, whereas the FMAT curriculum covers 149 weeks.

FMAT Costs and Financial Aid

FMAT students save about 1/2 the cost of tuition and fees for medical school:

- 3 years of medical school instead of 4
- 1 year of scholarship to cover tuition and fees

FMAT Student Support

- Close mentoring from faculty across MS2-MS3 and PGY1 years
- Apple iPads for students to use during their FMAT & residency training years
- Support for travel to Family Medicine or medical education conferences
- FMAT Student Enrichment Activities (FMAT SEA) sessions during the FMAT2 course focusing on preparation for Step1 and block exams

Program Curriculum

Family Medicine Accelerated Track (FMAT) Curriculum													
Texas Tech University Health Sciences Center School of Medicine													
	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	
Year1:		P 3 1 A	Clinically Oriented Anatomy		P 3 1 B	Biology of Cells & Tissues		Major Organ Systems		P 3 1 C	Host Defense		FMAT1
Development of Clinical Skills (DOCS)													
Year2:	FMAT1	Multisystem Disorders		P 3 2 A	Integrated Neurosciences		P 3 2 B	System Disorders 1		P 3 2 C	System Disorders 2		
Development of Clinical Skills (DOCS)													
Family Medicine Clerkship/ FMAT2 including Geriatrics Rotation & Family Medicine Ambulatory Experience													
Step 1 Study & Exam													
Year3:	Psychiatry		Internal Medicine		OB/Gyn		Surgery		Pediatrics		FMAT3		
Integration Seminar													
Key:	F-MAT Courses	MS1/MS2 Courses	MS3 Clerkships	Longitudinal Experiences	Patients, Physicians & Populations (P3) Weeks							rev. June 2015	

FMAT1 Course Lubbock

- 8-week summer concentrated course in June and July
- Clinical and pathophysiology correlations focusing on patient assessment skills with extensive use of workshops and ultrasound training
- Case-based didactic and small-group content across 7 weekly themes: CV, Resp, Endo, MSK, Women's Health/Urol, Gastro, Neuropsych
- Class meets 4 or 5 hours Monday through Thursday
- Evaluation: daily quizzes, a weekly OSCE, 2 exams

FMAT2 Course Lubbock

- Family Medicine clerkship conducted during Tuesday and Thursday mornings, August-April (53 half-days)
- Family Medicine inpatient service
- Family Medicine outpatient clinic
- Palliative Care, Geriatrics, Small Group, Study Time
- Regular FMAT Student Enrichment Activity sessions for study and USMLE prep
- Evaluation: monthly quizzes, Family Medicine NBME exam, professionalism and clerkship evaluations, OSCE, and other clerkship assessments

MS3 Year, FMAT3 & Match All Campuses

- Early completion of Step2 exams and all-campus OSCE during MS3 year
- Students register for ERAS and NRMP; TTUHSC then requests Family Medicine Accelerated Program exemption to NRMP All-In policy
- FMAT3: 8-week experience in May and June, at the end of the final (MS3) year
 - ◆ ICU and critical care
 - ◆ Family Medicine inpatient service
 - ◆ Residency Program Orientation
- Students participate in May graduation exercises
- Evaluation: assessments used for the Family Medicine subinternship and critical care

FMAT Criteria for Student Selection

- Academic performance in college or medical school
- Interest in Family Medicine via online application
- Likelihood of success in an intensive academic experience, based on MCAT and premedical grades and experiences
- Interview with the FMAT committee

Program Status & Accomplishments

- 65 students have begun FMAT training (c 2013-2019)
- 8 of the 66 are currently in the FMAT1 course
- 31 FMAT graduates are now in residency (c2013-2016)
- 8 students will graduate in June 2017 and enter FM residency at TTUHSC & JPS (Ft. Worth)
- 8 SOM applicants have been offered seats (c2020)
- 5 students have opted to return to the 4-year program (reasons: couples match, residency elsewhere, residency other than FM)
- 4 students have been counseled to return to the traditional curriculum
- [Post-Residency Practice Plans](#)
- [FMAT Scholarship & Media](#)

Advice for Other Institutions

- Take advantage of the program's small size and close involvement with faculty and students for **constant fine-tuning** of student progress and program development
- Increase **involvement of residency program faculty** and current residents in FMAT student recruitment, selection, orientation and socialization; also involve programs on regional campuses
- Link the student selection process to the **SOM admissions process** to expand the applicant pool and use FMAT as a recruiting tool for motivated students
- Select/mentor students with the **highest likelihood for success** in a challenging and fast-paced program
- Provide **continuous support** to help students strongly identify with Family Medicine
- Expect a significant **institutional impact**: increased stature for FM within the institution, improved collaborations between basic and clinical science departments, opportunity to pilot curricular innovations, increased national profile for TTUHSC



Program Contact

FMAT Website: <http://www.ttuhschool.edu/fammed>
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	Development of Clinical Skills (DOCS)												
Year2:	FMAT1	Multisystem Disorders		P 3 2 A	Integrated Neurosciences		P 3 2 B	System Disorders 1		P 3 2 C	System Disorders 2		
	Development of Clinical Skills (DOCS)												
	Family Medicine Clerkship/ FMAT2 including Geriatrics Rotation & Family Medicine Ambulatory Experience										Step 1 Study & Exam		
Year3:	Psychiatry		Internal Medicine		OB/Gyn		Surgery		Pediatrics		FMAT3		
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rev. June 2015



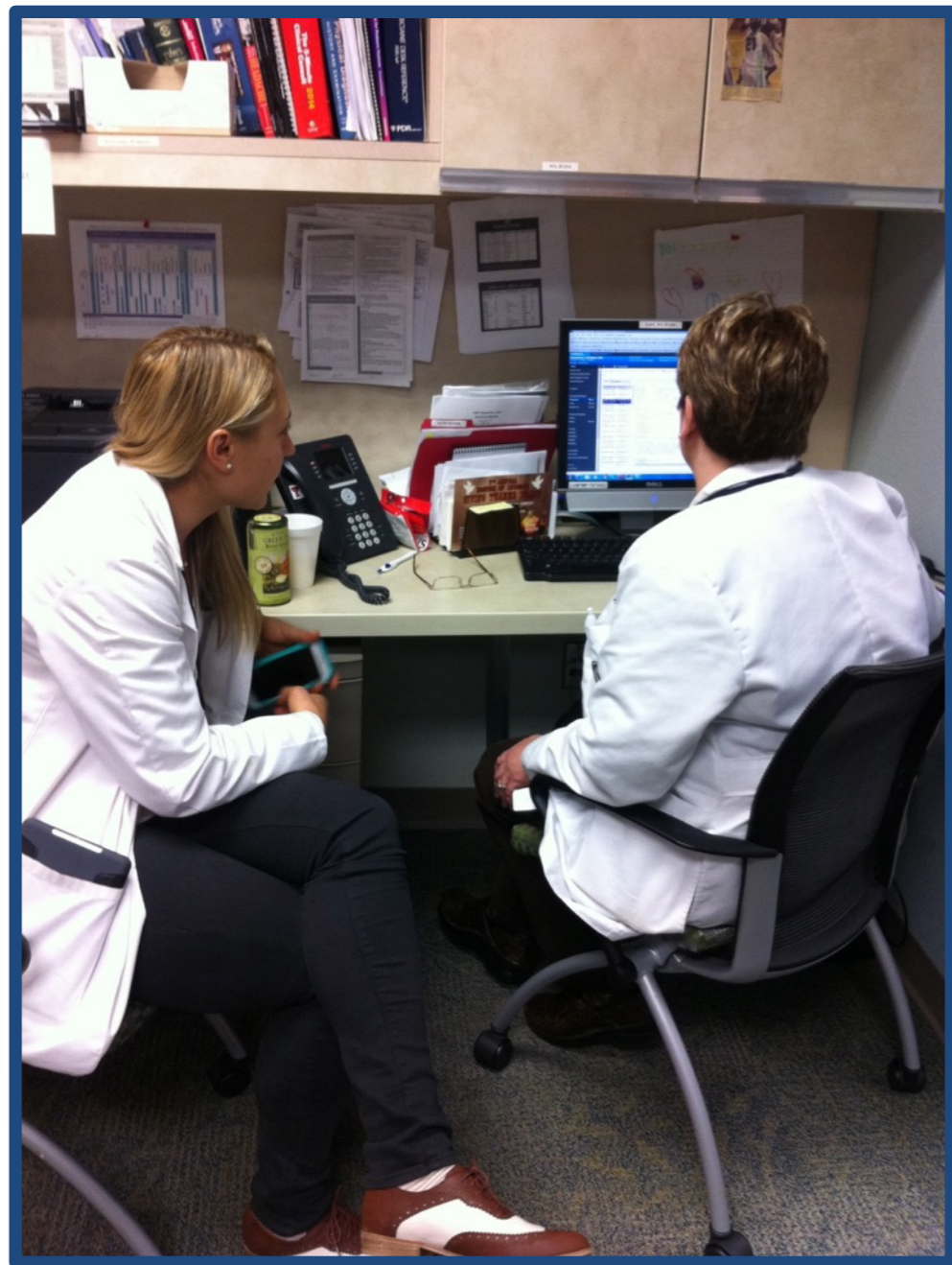
FMAT Pictures



FMAT 1



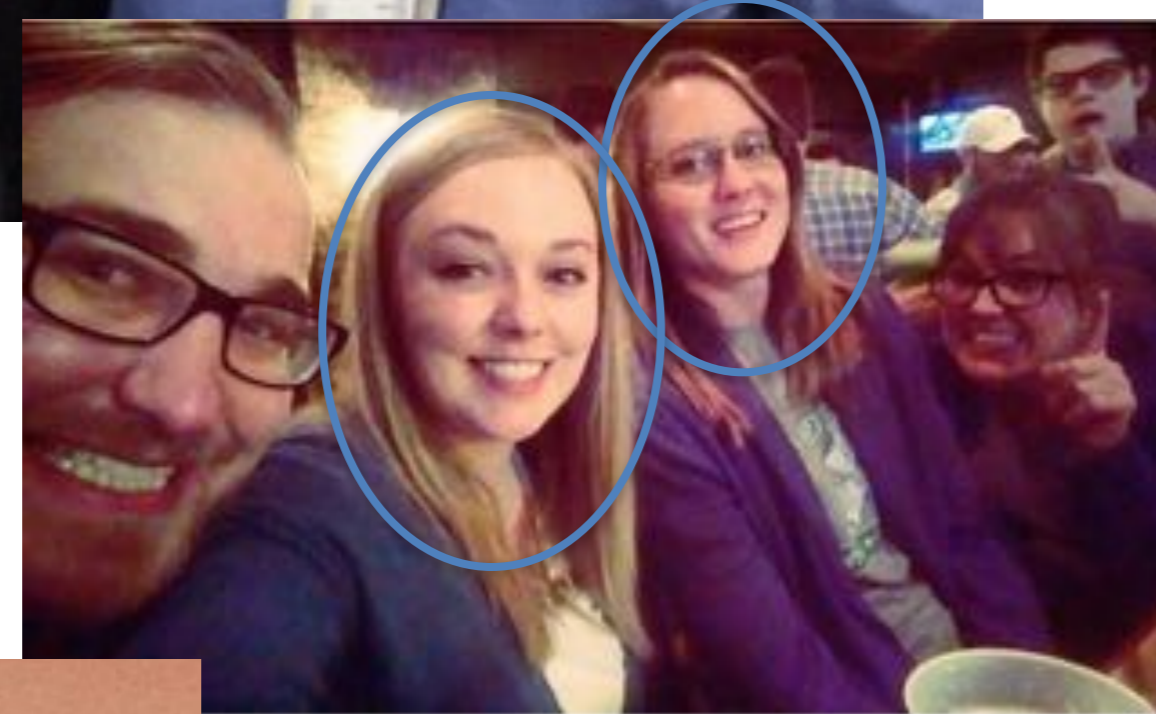
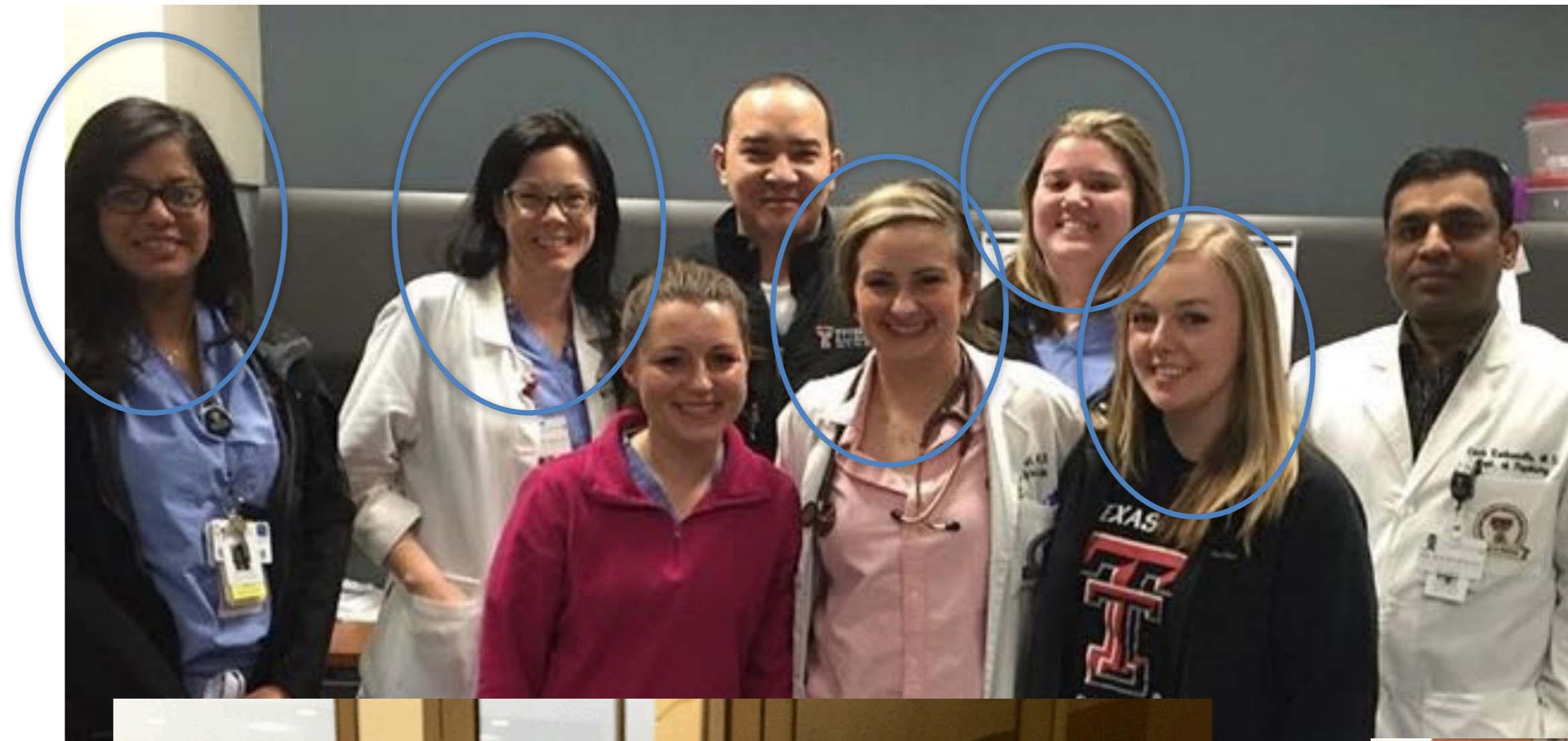
FMAT 2



FMAT 3



FMAT Residents



Post-Residency Practice



FMATc2013/ Res Grad 16	Practice Location	Practice Type
Cooper (Amarillo)	Sulphur Springs, TX	FM Physician Recruitment
Wilhelm (Amarillo)	Tulia, TX	Clinic, Hospital, ER
Hartman (Amarillo)	Amarillo, TX	Wound Care
Bramblett (Lubbock)	TTUHSC-Lubbock, TX*	FM Attending
Buchanan (Lubbock)	San Antonio, TX	Private Practice
Dosier (Lubbock)	Canton, TX*	Private Practice w/OB
Sprys (Lubbock)	TTUHSC-Lubbock, TX*	Student Health/ FM Attending
Willnauer (Lubbock)	Arizona	1-year Integrative Med fellowship

*HPSA

FMATc2014/ Res Grad 17	Practice Location	Practice Type
Cruz (Lubbock)	Baton Rouge, LA	Private Practice
Fitzgerald (Lubbock)	Abilene, TX	Clinic, Hospital, ER
Nelson (Lubbock)	Childress, TX*	Clinic, Hospital, ER
Reddick (Lubbock)	Post, TX*	Clinic, Hospital, ER
Weaver (Baylor-Garland)	Dallas-Fort Worth	Private Practice



FMAT Classes



Class of 2015



Class of 2014



Class of 2019



Class of 2017



Class of 2016



Class of 2018



Class of 2013



FMAT Scholarship & Media



Publications

Leong SL, Fancher T, Cangiarella C, Fancher T, Jones BG, et al. Twelve Tips for Creating an Accelerated 3-Year Medical Education Program. Medical Education Online. In Press. June 2017

Cangiarella C, Fancher T, Jones BG, Dodson L, Leong SL, Hunsaker M, Pallay R, Whyte R, Holthouser A, Abramson SB. Three-Year MD Programs: Perspectives from the Consortium of Accelerated Medical Pathway Programs (CAMPP). Academic Medicine. 2016;91(11): Epub Ahead of Print, November 2016. doi: 10.1097/ACM.0000000000001465

Jones BG, Berk SL. The Family Medicine Accelerated Track at Texas Tech University Health Sciences Center: Helping Prepare for Texas' Health Care Future. Tex Med. 2016;112(2):62-67.

Young R, Berk SL, Cook RC, Peck EK, Jones BG. The Family Medicine Accelerated Track: An innovative model to meet the demand for primary care physicians for West Texas. Panhandle Health, Spring 2013.

Jones BG. The 3-Year Curriculum: Disruptive Innovation and the Change Imperative from Texas Cowboy Boots on the Ground. Blog Post, Society of Teachers of Family Medicine Blog, November 12, 2013.

Jones BG, Berk S. (2012). The Family Medicine Accelerated Track Model: Producing More Family Doctors Faster. The Virtual Mentor 14(11), 845-853. PMID: 23351896.

Selected Presentations

Jones BG, Lee V, Banks H, Bellingham D, Foster D, Johnson D, Loya B, Ruiz LJ, Walker K, Wallace M, Wai R, Edwards DS, Mitchell JJ. Using and Assessing Ultrasound to Teach Physical Examination and Diagnosis: A Self-Directed Learning Activity in the Family Medicine Accelerated Track (FMAT)". Poster presentation. Southern Group on Educational Affairs, Charlottesville VA, April 2017; STFM Conference on Medical Student Education, Anaheim, February 2017.

Cangiarella J, Hunsaker M, Jones BG, Hustedde C, Pearce K. Structural and Financial Challenges in Health Professions Education: The Consortium of Accelerated Medical Pathway Programs (CAMPP). Beyond Flexner Conference, Miami, September 2016.

Jones BG, Lee V, Banks H, Bellingham D, Foster D, Johnson D, Loya B, Ruiz LJ, Walker K, Wallace M, Wai R, Edwards DS, Mitchell JJ. Using and Assessing Ultrasound to Teach Physical Examination and Diagnosis: A Self-Directed Learning Activity in the Family Medicine Accelerated Track (FMAT). Podium presentation. World Conference on Ultrasound in Medical Education (WCUME), Lubbock TX, September 2016.

Jones BG, Cook RL, Williams S, Medical Student to Resident in 3 years: Experiences with an Emerging Solution and Disruptive Innovation. Southern Group on Educational Affairs Conference, Austin, April 2016.

Jones BG, Leong SL, Konor L, Dodson L, Hunsaker M, Eidson-Ton WS, Felix T, Pallay R, Cook RL, Nelson K, Lemieux K. Medical Student to Resident in 3 years: Experiences with an Emerging Solution and Disruptive Innovation. Seminar, STFM Annual Conference, Minneapolis, April 2016.

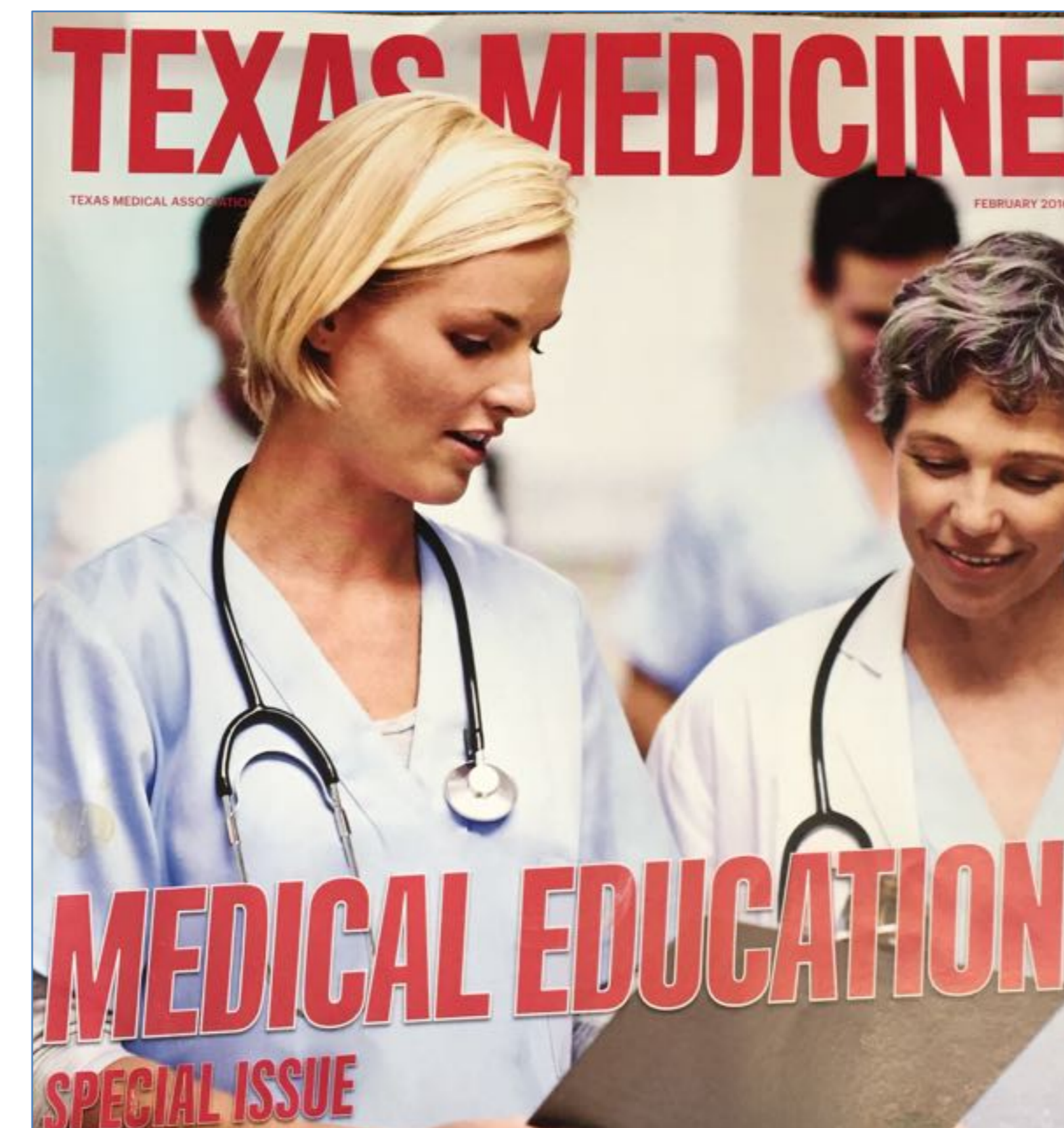
Jones BG, Cook RL, Peck EK, Prabhu FR, Linton KK, Klein K, Haynes J, Mitchell JJ, Edwards DS, Ragain RM, Onger F, Berk SL, Williams SC. Family Medicine Accelerated Track (FMAT): Faculty and Student Perspectives on a 3-year medical degree. Lecture-discussion. STFM Conference on Medical Student Education, Phoenix, February 2016.

Cangiarella J, Fancher T, Hunsaker M, Jones BG. Josiah Macy Jr. Foundation Award Consortium of Medical Schools with Accelerated Pathways. AAMC Medical Education Conference, Baltimore, November 2015.

Onger FR, Haynes J, Jones BG, Lara L. Family Medicine Accelerated Track: Transition from Three-Year Medical School to Residency: A Feedback Report. American Association of Family Physicians 2014 Program Directors Workshop (PDW) and Residency Program Solutions (RPS) Residency Education Symposium. Kansas City. March 2015.

Jones BG, Babb F, FMAT Students, Accelerating Medical Education for Family Medicine: Student Perspectives on the 3-Year MD. Poster, 41st Annual STFM Conference on Medical Student Education. February 2015.

Jones BG, Pallay R, Bedinghaus J, Peck EK, Lee V, Thompson T, Bower D, Patterson L. Medical student to resident in three years: Experiences with an emerging solution and disruptive innovation. Chicago. AAMC Medical Education Conference, November 2014.



FMAT Team



Steering Committee

- Betsy Jones EdD, Med Ed/ FM, Co-Director
- Ron Cook DO, FM/ MedEd, Co-Director
- Rodney Young MD, Ama
- Jerry Kirkland MD, Ama
- Fred Onger MD, LBB
- Tim Benton, PB
- Ikemefuna Okwuwa MD, PB
- Steve Berk MD, Dean
- Simon Williams PhD, Assoc Dean Academic Affairs
- Lauren Cobbs MD
Assistant Dean Stu Aff
- Felix Morales MD, Assoc Dean Admissions
- Resident Rep
- Kale Bates, Coordinator

Family Medicine

- Nimat Alam MD
- Frank Babb MD
- David Edwards MD
- Jamie Haynes MD
- Ellen Hampsten MD
- Kelly Klein MD
- Kit Linton MD
- Fiona Prabhu MD
- Jennifer Mitchell MD
- Kim Peck MD
- Mike Ragain MD
- Randy Sheets MD
- John Slayton DO
- David Trotter PhD

Basic Sciences

- Greg Brower PhD*
 - Jane Colmer-Hamood PhD*
 - Janette Dufour PhD
 - Cassie Kruczek PhD*
 - Vaughan Lee PhD*
 - Raul Martinez-Zaguilan PhD
 - Tom Tenner PhD*
 - Dan Webster PhD*
- *Dept of Medical Education

