



MD+
PLUS
PROGRAM

ANNUAL REPORT

2019 / 2020



TEXAS A&M UNIVERSITY
College of Medicine

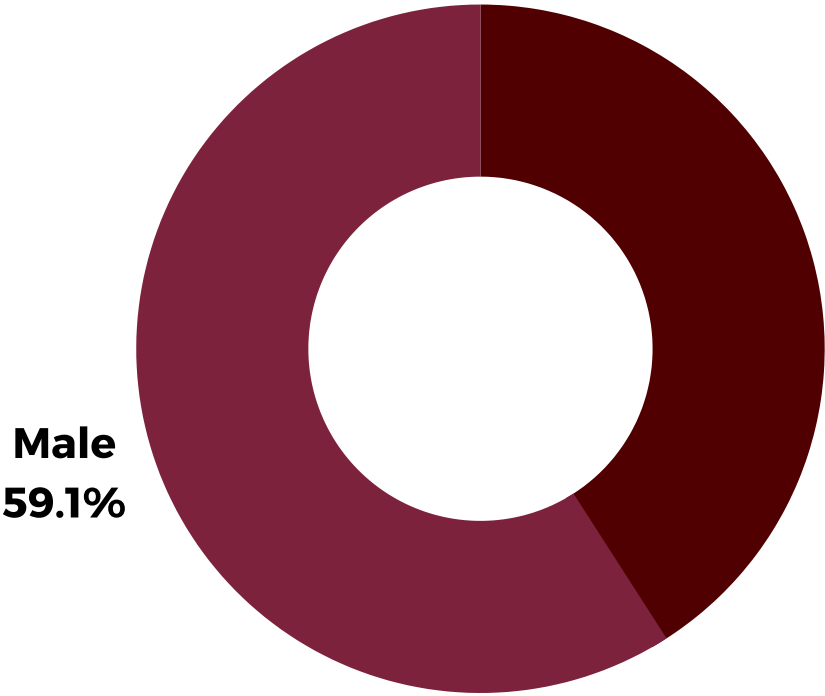
INTRODUCTION

The MD Plus Program is a dual degree program through which Texas A&M medical students can earn a masters degree in one of several disciplines including Medical Sciences (MS), Business (MBA), Public Health (MPH), Engineering (ME), and Education (MS) in conjunction with their Medical Degree (MD). One additional masters program was added in AY 2019-20, the Master of Science in Science and Technology Journalism. Maintaining partnerships with the various graduate colleges that deliver curriculum to the MD Plus students is very important.

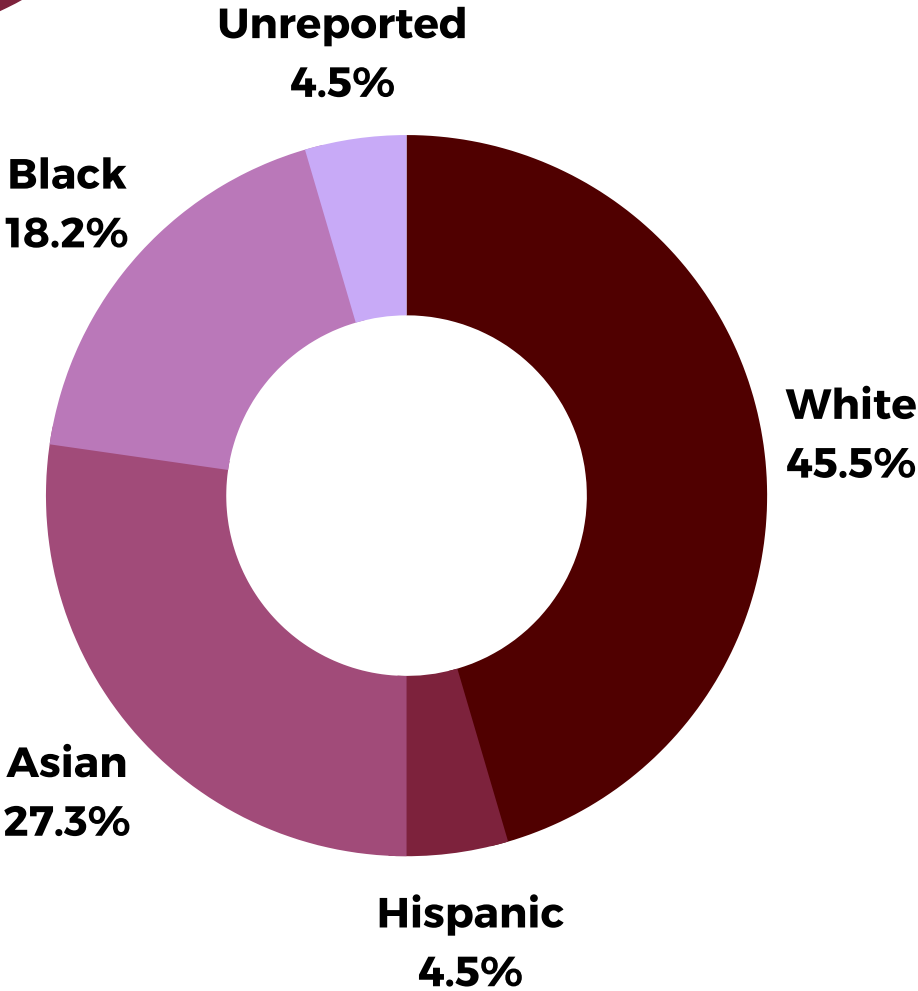
In addition, the MD Plus students participate in activities delivered through the program office, including seminars and workshops to enhance their career development and to add a mentoring component to their experience. The MD Plus Program aims to provide students with the skill set necessary for them to be the future leaders of medicine.



STUDENT DEMOGRAPHICS



22
TOTAL
STUDENTS



2019-20 STUDENT ACTIVITIES

PROGRAM ACTIVITIES

The MD Plus Program offers students opportunities for networking and professional development throughout the academic year. The flagship opportunity is the regularly scheduled meeting entitled “MD Power Hour”. In the 2019-20 academic year, the meeting schedule was expanded, but as the COVID - 19 pandemic required restrictions, the event transitioned from a mostly in-person meeting to a virtual format. The schedule included career planning, a student panel on residency interviews, resiliency in the face of COVID-19 and discussions on the Capstone project of the current MBA students.

STUDENT ACTIVITIES

This represents the initial report for activities, honors and publications for the MD Plus Program. Students enter the masters degree portion of the MD Plus Program at various times of their academic career, thus a listing of their activities will be a mix of medical school/masters accomplishments. Student activities, honors and awards are listed within this report.



2019-20 ACTIVITIES

STUDENT AWARDS/HONORS

Ahad Azimuddin - SEC Pitch Competition, 3rd place award

Sophie Curie - MBA Venture Challenge - Elevator Pitch, 1st place award

Britton Eastburn - Honors in Pediatrics, Honors in Psychiatry, Honors in Surgery

Sasha Howell - Carolina Johnson Class of '88 Scholarship; Alpha Omega Alpha Honor Medical Society

Yajaira Jimenez - Honors in Internal Medicine, Burroughs Wellcome Fund Scholar in the Academy of Physician Scientists, Honors in Obstetrics and Gynecology

Yannis Minetos - FTI Case Competition, 1st place award; MBA Venture Challenge Pitch for Solenic Medical, 3rd place award

Andrew Pack - Interprofessional Teaching Award

Manoj Ravichandran - MBA Venture Challenge

STUDENT PUBLICATIONS

Sophie Curie - Jurgens, Julie & Chen, Suming & Sobreira, Nara & Robbins, Sarah & Anzmann, Arianna & Dastgheyb, Raha & Khuder, Saja & Hoover-Fong, Julie & Woods, Courtney & Collins, Felicity & Christodoulou, John & Yamamoto, Guilherme & Bertola, Debora & Baratela, Wagner & Curie, Sophie & Haughey, Norman & Cornell, Rosemary & Valle, David. (2019). Loss of function variants in PCYT1A causing spondylometaphyseal dysplasia with cone/rod dystrophy have broad consequences on lipid metabolism, chondrocyte differentiation, and lipid droplet formation. 10.1101/2019.12.19.882191.

James Davis - "HOHA Lactone Is a Key Player in the Pathogenesis of Age-Related Macular Degeneration" - Abstract for Proceedings of the Texas A&M Medical Student Grand Rounds

2019-20 ACTIVITIES

STUDENT PUBLICATIONS (CONT.)

Tyler Heimdal - Heimdal, T.R., Gardner, S.L., Dhanani, U.M., Harris, J.D., Liberman, S.R., McCulloch, P.C. What Factors will Increase Orthopaedic Sports Surgeons Online Reputation and Are They Modifiable? Orthopedics. March 2020 (Accepted)

Cain, M.T., Heimdal, T.R., Harris, J.D., Petak, S.M., Lambert, B.S., McCulloch, P.C.. Physiologic Parameters of Bone Health in Elite Ballet Dancers. Medicine & Science in Sports & Exercise. February 2020. DOI: 10.1249/MSS.0000000000002296. (Accepted)

Sasha Howell - Howell SG, Lyon KA, Garrett D Jr, Huang JH, Fonkem E. Optimum treatment for primary intracranial Ewing sarcoma. Proc (Bayl Univ Med Cent). 2020 May 4;33(3):430-432. doi: 10.1080/08998280.2020.1755199. PMID: 32675975; PMCID: PMC7340410.

STUDENT PRESENTATIONS

Sophie Curie, Supriya Dara, Yannis Minetos, Manoj Ravichandran - Capstone project for analyzing the current MD/MBA market in the United States

Sophie Curie - 2020 Patagonia Case Competition

Britton Eastburn - Functional Electrical Stimulation during Sustained Isometric Contractions in Patients with SCI and Partial Paralysis - Healthy Living Institute, Longview, TX

Tyler Heimdal - Heimdal, T.R., Gardner, S.L., Harris, J.D., Dhanani, U.M., Liberman, S.R., McCulloch, P.C.. The Impact of Certification, Experience, and Gender on Patient Satisfaction Scores of Orthopaedic Sports Surgeons. 2019 Medical Research Colloquium; Round Rock, TX. 06/12/2019. Podium

Cain, M.T., Heimdal, T.R., Harris, J.D., Petak, S.M., Lambert, B.S., McCulloch, P.C.. Physiologic Bone Health Parameters Among Elite Ballet Dancers. The 29th Annual Conference of the International Association for Dance Medicine & Science; Montreal, QC, CAN. 10/26/2019. Poster
*Presented by third author

2019-20 ACTIVITIES

STUDENT PRESENTATIONS (CONT.)

Heimdal, T.R., Gardner, S.L., Dhanani, U.M., Harris, J.D., Liberman, S.R., McCulloch, P.C. What Factors will Increase Orthopaedic Sports Surgeons Online Reputation and Are They Modifiable? Methodist Association of Postdoctoral and Trainee Affairs - 2019 Summer Science Symposium; Houston, TX. 08/08/2019. Poster.

Andrew Pack - Interprofessional Education and Research Conference 10/23/19, Title: Development of an Interprofessional Faculty-Staff-Student Team to Improve LGBTQ+ Health Education in Texas Author(s): Allison F. Pittman, PhD; Faizan Kabani, PhD; Andrew Pack, B.S; Matthew Kesterke, PhD; Joy Alonzo, PharmD; Dianne Kraft, PhD; Peter Scaramuzzo, MEd; Asim Abu-Baker, PharmD; Juan Bustamante, PhD; Crystal Vinal

Fast-Track Cities Conference in London, UK 2019 9/8-9/11/19, Title: San Antonio's End Stigma End HIV Alliance/Fast-Track Cities Initiative: Community wide collaboration and peer advocate driven strategies to end the HIV epidemic Author(s): B.S. Taylor MD, MS UT Health San Antonio; H. Sapién, Ryan White Planning Council; F. Courtois, Center for Healthcare Services; S. Greene. San Antonio Metropolitan Health District; A.P. Pack, Texas A&M COM/SPH; Y.G. Venegas, University Health System; A.K. Miller MPH, PA-C, CentroMed; J.J. Ramos, University Health System; C.J. Woo MD, MPH, San Antonio Metropolitan Health District, for the End Stigma End HIV Alliance

2020 LGBT Health Workforce Conference by BNGAP, NYC, 4/23/20, Title: Development of an Interprofessional Faculty-Staff-Student Team to Improve LGBTQ+ Health Education in Texas Author(s): Allison F. Pittman, PhD; Faizan Kabani, PhD; Andrew Pack, B.S; Matthew Kesterke, PhD; Joy Alonzo, PharmD; Dianne Kraft, PhD; Peter Scaramuzzo, MEd; Asim Abu-Baker, PharmD; Juan Bustamante, PhD; Crystal Vinal

2019-20 ACTIVITIES

OTHER STUDENT ACTIVITIES

Ahad Azimuddin - President of the Texas A&M Surgery Interest Group, Copy Editor of The Synapse, Class of 2023 Student Officer

Thomas Dowlearn - SHIFT Case Competition Founder, Texas A&M COM Admissions Committee Member, Texas A&M Admissions Interview Day Panelist, Rice University Pre-Medical Society Meeting Panelist - Medical Student Dual Degree Programs Panel, Migration & Health Conference Attendee, American Academy of Family Physicians (AAFP) member, Family Medicine Interest Group - Houston Campus Representative, American Medical Association (AMA), member, Texas Medical Association (TMA) member

Britton Eastburn - Co-chair, American Academy of Physical Medicine & Rehabilitation, National Medical Student Council

Sasha Howell - President of AANS student chapter; American Association of Neurological Surgeons (AANS) TAMCOM Chapter; College Ministry Mentor

Yajaira Jimenez - VP of External Affairs of Methodist Association of Postdoctoral and Trainee Affairs (MAPTA), Director of Maroon Health Clinic, Mentor for National Hispanic Medical Association, Mentor for JAMP summer internship program, Class of 2021 Historian, Texas Medical Center Research Symposium planning committee, Mentor with Big Owl/Little Owl Program

Laura Oscar - American Urology Association, Texas Chapter of American College of Physicians, American Medical Association

Andrew Pack - Intern with Project Unity (MPH Practicum), volunteer mentor with LGBTQ+ Center at Texas A&M

Manoj Ravichandran - Finance Club

Farah Wazir - Acquisitions Editor of The Synapse, Women in Medicine M1 representative, Class of 2023 Treasurer

2019-20 GRADUATES

MASTER OF BUSINESS ADMINISTRATION

Sophie Curie
Supriya Dara
Yannis Minetos
Manoj Ravichandran

MASTER OF PUBLIC HEALTH

Abigail Adamarola
Andrew Pack

DOCTOR OF MEDICINE

Britton Eastburn
MBA received 2016
Residency: Physical Medicine and Rehabilitation,
University of Texas Southwestern

Bevan Johnson
MBA received 2016
Residency: Emergency Medicine, Indiana
University

Laura Oscar
MPH received 2016
Residency: Urology, Houston Methodist Hospital

DOCTOR OF MEDICINE/MS IN MEDICAL SCIENCE

Tyler Heimdal
Residency: Orthopedic Surgery, Baylor University
in Dallas

Sasha Howell
Residency: Neurological Surgery, University of
Alabama at Birmingham

2019-20 ADMISSIONS

12 applications

12 offers

11 matriculants

Characteristics of matriculants:

5 female / 6 male

3 MBA, 6 MPH, 1 EDHP, 1 MS in Medical Science

3.72 average GPA

RECRUITMENT ACTIVITIES

- Pre-match celebration
- MD Plus presentation at MD interview days
- Presentations at Tarleton State University and Hardin Simmons University for pre-health undergraduate students
- ECHO Health Care Symposium
- New Student Orientation