

Our Leadership



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Office of Outreach Programs

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UMass Chan
MEDICAL SCHOOL

UMASS CHAN MEDICAL SCHOOL 2023 High School Health Careers Program

July 2, 2023 – July 28, 2023

ORIENTATION TOPICS:

- Self-Directed Student Orientation Packet (covers general fire, laboratory, and clinical safety rules and regulations) and Health Insurance Portability and Accountability Act (HIPPA) requirements.
- Using the graduate level biomedical library, and Medline Literature Searches.

Contemporary and Cultural Health Issues Seminars

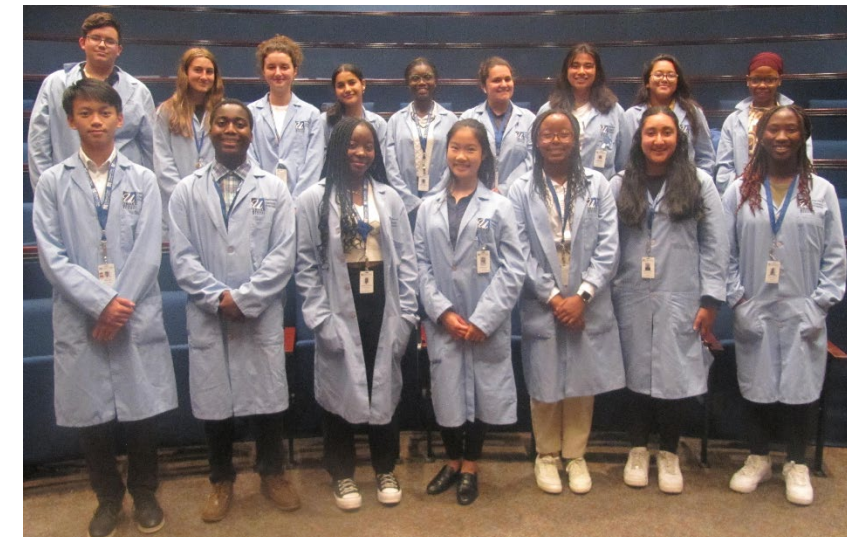
- “Financing Your Health Professions Education”
- “Medical School Admission”
- “Epidemiology of Chronic Disease”
- “Health Policy and Analysis”
- “Improving Community Health”
- “Non-Traditional Roles and Opportunities for Healthcare Professionals”
- “Life as a MD/PhD Student”
- “Simulation Center”
- “Technology in Healthcare”

Internships/Job-Shadowing

Participants are assigned to job-shadowing/internships in clinical or laboratory settings.

The following departments have provided opportunities:

- Emergency Department, Nursing, Animal Medicine
- Surgery, Pharmacy, Pediatrics
- Patient Transport, Orthopedics, Endoscopy
- Neurology, Oncology Clinic
- Primary Care Clinic, PACU
- EKG/Vascular Lab, Cardiac ECKO
- Vascular Surgery
- Simulation Center



2022 HSHCP Participants



Program

INTRODUCTION:

For more than thirty-five years, the University of Massachusetts Medical School (UMMS) has been providing academic enrichment and healthcare careers exploration for under-represented and disadvantaged students from the Commonwealth of Massachusetts. The HSHCP encourages students to graduate from high school and become college and/or career ready to pursue careers in biomedical research, biotechnology, and healthcare professions (BBHP).

DEFINITIONS:

Under-represented individuals in medicine, nursing, biomedical research, biotechnology, and the health professions (BBHP) are African Americans, Latinos, Indigenous People, and Southeast Asians. Disadvantaged individuals include those from economically disadvantaged (i.e., meets Federal guidelines for low income, poverty and/or free and reduced lunches) and/or educationally disadvantaged backgrounds (i.e., first generation college graduates).

GOALS:

- Expose high school students who are under-represented in BBHP at an early stage in their academic development.
- Encourage program participants to set high academic goals and assist in developing strategies to achieve those goals.

MISSION:

To increase the number of under-represented and disadvantaged students entering into biomedical research, biotechnology, and healthcare professions (BBHP) in the Commonwealth of Massachusetts.

- Place participants in job-shadowing/internships in the healthcare and science professions.
- Provide participants the opportunity to network with other Massachusetts high school students.
- Offer program participants the opportunity to interact with medical students, scientists and health care professionals.
- Inform participants about the Biomedical Sciences Career Program (BSCP) workshops, the college application and financial aid process.

ELIGIBILITY:

- Current high school sophomores or juniors designated under-represented in the BBHP or from educationally or economically disadvantaged backgrounds.
- Massachusetts residents who attend a Massachusetts high school.
- U.S. Citizens or those with Permanent Resident status.

Please note:

Students are not allowed to participate in any other academic or social programs; take classes at another institution; or work for an employer, family member or friend while participating in this program. The program requires 110% of your participation, attention, and commitment.

APPLICATION PROCESS:

Students must apply online at

<https://summeroutreach.umassmed.edu>

Applications are received from November 15, 2022, to March 1, 2023.

See program website for requirement details and to download the forms.

- Required supplemental application materials include:
- One official copy of a high school transcript, two
- letters of recommendation, personal statement, and a signed Parental Consent Form.

Applicants requesting assistance in completing the application process may contact their Guidance Counselor or the Office of Outreach Programs at 508-856-2707.

The HSHCP Selection Committee reviews applications in April. Applicants will be notified of their selection via email.



HOUSING:

Participants are housed in dormitories at Worcester State University. Participants are **REQUIRED** to reside at the residence hall for the duration of the program.

Participants are supervised by Dorm Parents (DPs) in a ratio of 1DP to 5 participants. Meals are provided to all participants for the duration of the program.

Transportation and Lunches

First Student Transportation, Inc. provides transportation between UMass Chan Medical School and Worcester State University. The HSHCP will provide participants daily meal tickets for lunches.

STIPEND:

Stipends will only be paid to participants who successfully complete the program by attending all classes; submitted all in class and homework assignments to the instructors on time.

VIRTUAL FORMAT:

Should the program be conducted virtually, participants must have access to a computer or laptop and agree to be visible on camera during all classes and lectures.

ACADEMIC ENRICHMENT:

Language Arts Skills

Participants practice writing grammatically correct college admission essays, grammar and punctuation skills, persuasive-writing and science-writing techniques, and script writing for presentations.

Mathematics

Participants engage in lessons relating to improving math skills, SAT mathematics prep, and test-taking strategies. Practice tests are administered. Students also learn to graphically incorporate and evaluate data from other classes.

Science / Biology

Participants learn advanced lab skills in biotechnology, anatomy, and physiology with a focus on clinical applications. Participants learn basic recombinant DNA techniques (isolating, purifying, and manipulating DNA) and dissection skills with fetal pigs to gain a better understanding of diseases and epidemiology. Participants gain a better understanding of basic body systems (Digestive, Respiratory, Circulatory, Musculoskeletal, and Nervous System).

Information Technology

Participants expand their skills in Microsoft Word, PowerPoint, Excel, and Access. Participants manipulate digital images, create digital animations, use graphs and charts, search the web more effectively, and use online medical journals as research tools. Participants properly cite sources. Participants practice oral presentation skills for their Health Disparity Projects.