

Connecting with Students who are Underrepresented in Healthcare Careers

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Definition of Under-Represented Populations

- Low income- Pell Grant recipients/ Pell Eligible
- First Generation- first in the family to attend college
- Race/Ethnicity
- Location- From localities with lower participation rate in higher education.
- At-Risk students- Immigrant or child of immigrant parents (DACA)
- Single parent household
- LGBTQQIAAP-lesbian, gay, bisexual, transgender, transsexual, queer, questioning, intersex, asexual, ally, pansexual
- Presence of a disability
- Ward of the State- Person placed under the legal custody of state through court order.

URM in Medicine

- Over a 50 year period we are still no where near AA and Hispanics physicians representing the percentage of the population.
- Public primary and secondary education limit preparedness for STEM career- Which in turn deplete the pool of qualified applicants.
- Cost is a factor-the idea that you could have \$200,000 in college debt causes some to weed themselves out of the process
- Role models
- Diversity

How I have helped / What have I done!

- I am an Underrepresented student!
- I am a First Generation Student!
- I came from a low SES background!
- I struggled in school (low GPA) with High Dreams!
- NAMME- National Association of Medical Minority Educators
- Creation of a Camp or pre-programs
- It starts at the High school level
- MAPS- Minority Association of Pre Medical Students





- Attend a major conference (RMEC, AMEC)
- Familiarize yourself with existing programs that provide minority fellowship or create them.
- Create programs, Summer Internship opportunities
- Join Organizations targeting Diversity Create Enrichment Programs and Retention Programs
- MCAT Prep Programs:
EXAMPLE: <http://cda.uams.edu/prgm/>

On going Strategies for Outreach

Cont.: On Going Strategies- MCAT

Day 1 PRACTICE EXAM- Monday, June 3

AM-Practice Exam @ 8 am in Computer Lab

Day 2 BIOLOGICAL SCIENCES-Tuesday, June 4

AM – Biology (1-6): The Cell; Reproduction; Embryogenesis and Development; Nervous System; Endocrine System; Respiratory System

PM –Biology (7-12): Cardiovascular System; Immune System; Digestive System; Homeostasis; Musculoskeletal System; Genetics and Evolution

Day 3 PHYSICAL SCIENCE-Wednesday, June 5

AM – Chemistry (1-4): Atomic Structure; Periodic Table; Bonding and Chemical Interactions; Compounds and Stoichiometry

PM – Chemistry (9-12): Solutions; Acids and Bases; Oxidation-Reduction Reactions; Electrochemistry

Day 4 PHYSICAL SCIENCE-Thursday, June 6

AM – Chemistry (5-8): Chemical Kinetics; Equilibrium; Thermochemistry; The Gas Phase

PM – Organic Chemistry (1-5): Nomenclature; Isomers; Bonding; Analyzing Organic Reactions; Alcohols

Day 5 PHYSICAL SCIENCE-Friday, June 7

AM – Organic Chemistry (6-9); Aldehydes and Ketones I; Aldehyde and Ketones II; Carboxylic Acids; Carboxylic Acid Derivatives

PM – Organic Chemistry (10-12): Nitrogen- and Phosphorus-Containing Compounds; Spectroscopy; Separations and Purifications

Day 6 CARS & PHYSICAL SCIENCE-Saturday, June 8

AM – Critical Analysis: (1-6): About CARS; Analyzing Rhetoric; Keywords; Outlining the Passage; Dissecting Arguments; Formal Logic

PM – Biochemistry (1-5): Amino Acids, Peptides and Proteins; Enzymes; Nonenzymatic Protein Function and Protein Analysis; Carbohydrate Structure and Function; Lipid Structure and Function

Day 7 PHYSICAL SCIENCE- Sunday, June 9

AM – Biochemistry (6-8): DNA and Biotechnology; RNA and the Genetic Code; Biological Membranes PM – Biochemistry (9-12): Carbohydrate Metabolism I; Carbohydrate Metabolism II; Lipid and Amino Acid Metabolism; Bioenergetics and Regulation of Metabolism

Day 8 PHYSICAL SCIENCE-Monday, June 10

AM – Physics and Math (1-4): Kinematics and Dynamics; Work and Energy; Thermodynamics; Fluids.

PM – Physics and Math (5-8): Electrostatics and Magnetism; Circuits; Waves and Sound; Light and Optics

Day 9 PHYSICAL & BEHAVIORAL SCIENCE- Tuesday, June 11

AM – Physics and Math (9-12): Atomic and Nuclear Phenomena; Mathematics; Reasoning about the Design and Execution of Research; Data-Based and Statistical Reasoning

PM – Behavioral Science (1-5): Biology and Behavior; Sensation and Perception; Learning and Memory; Cognition, Consciousness and Language; Motivation Emotion and Stress

Day 10 BEHAVIORAL SCIENCE- Wednesday, June 12

AM – Behavioral Science (6-9): Identity and Personality; Psychological Disorders; Social Processes, Attitudes, and Behavior; Social Interaction

PM – Behavioral Science (10-12): Social Thinking; Social Structure and Demographics; Social Stratification

Day 11 CARS REVIEW & TUTORED STUDY DAY- Thursday, June 13

AM-Critical Analysis (7-12): Understanding Passages; Question and Answer Strategy; Foundations of Comprehension Questions; Reasoning within the Text Questions; Reasoning Beyond the Text Questions; Effective Review of CARS

PM-Student directed review session

Day 12 PRACTICE EXAM- Friday, June 14

AM-Practice Exam @ 8 am

Support Groups-



Mi Mentor (DACA students)

MiMentor: Mentoring the Next Generation of Diverse Healthcare Professionals. MiMentor develops and supports innovative and inclusive mentoring opportunities to inspire the next generation of diverse healthcare leaders for underserved communities.

Their mission: We're creating the next generation of diverse healthcare leaders for underserved communities.

<https://www.mimmentor.org/>

T4D- Tour for Diversity

The numbers of underrepresented minorities in medical schools are alarming. T4D seeks to address this concern by using the experiences and advising of current minority physicians, dentists, pharmacists, and medical students to help undergraduate students along the educational pipeline to health professions school.

Conceived by former medical student leaders, Tour for Diversity in Medicine is a grassroots effort to educate, inspire, and cultivate future minority physicians and dentists. Current trends in racial and ethnic health care disparities are widely documented and a major focus of many recent federal and state health policy changes. One frequently discussed solution is the need to increase the number of minority providers.

<http://tour4diversity.org/>

Support Groups-



Pre-Med Star

The Online Community For Pre-Medical Students! With PreMed StAR, premeds can log and track their premed activities, network with other premeds, and get recruited by medical schools. Oh...and it's free!!

<https://www.premedstar.com/?fbclid=IwAR2eOCANPVqQlcnHI2WJIRwzOm6IIsWfPxxGk2pBVA-KefZXTNRxRogIBg0>

Black Men White Coats

Black Men in White Coats: Black Men In White Coats seeks to increase the number of black men in the field of medicine by exposure, inspiration, and mentoring. To accomplish this, we are partnering with various medical schools across the country to produce outstanding short documentary videos which bring awareness to this issue that not only affects the black male population, but also the nation as a whole.

<https://www.facebook.com/BlackMenInWhiteCoats/>

Health Professions Directory

Research Programs						
Program Sponsor	Program Dates (may vary from year to year)	Description	Eligibility	Compensation/More Information	Website	Application Deadline (may change from year to year-check websites)
Albert Einstein College of Medicine Hispanic Center of Excellence Summer Undergraduate Mentorship Program	June 21st-August 4th	The Summer Undergraduate Mentorship Program (SUMP) of the Hispanic Center of Excellence (HCOE) at the Albert Einstein College of Medicine (Einstein) is a seven-week program that offers students from underrepresented groups in medicine and/or economically disadvantaged background a unique opportunity to become exposed to the realities and options within the medical profession through a "shadowing" experience with a physician. Besides shadowing a doctor in a preferred area of specialty, the program offers a broad and comprehensive curriculum, including medical lectures, hands-on workshop participation and literature review under the supervision of a research mentor and medical librarians at Einstein.	<ul style="list-style-type: none"> •Must have completed at least their freshman year with at least one year in science by June .(Sophomores' and higher) •Have a GPA of 3.0 or higher •Students must complete the online application, provide an official college transcript and obtain a letter of recommendation from a faculty member before the deadline. •Medical clearance is also required. 	The program requires a full time commitment Monday-Friday over seven summer weeks. The student will be expected to attend fourteen hours of lecture per week and spend at least six hours per week with their assigned mentor. Participants in the program will be awarded a stipend at the end of the program. No housing available.	http://www.einstein.yu.edu/centers/hispanic-centers-of-excellence/opportunities.aspx	Early April
Albert Einstein College of Medicine Summer Undergraduate Research Program (SURP)	June 5th-July 27th	Each summer the Einstein Summer Undergraduate Research Program (SURP) brings together 50 college students each summer for a one-of-a-kind opportunity to conduct original research in a laboratory at one of the world's top-ranking scientific institutions. The program is designed for undergraduates with a strong background in science who are considering a research career.	<ul style="list-style-type: none"> •US Citizen or Permanent Resident •A strong background in the sciences (biology, biochemistry, chemistry, physics, bioengineering or chemical engineering, etc.). •Completion of junior year in college 	Free housing in the student residence complex on the Einstein campus, \$3,000 stipend, up to \$500 in transportation assistance (for students who live outside the New York City metropolitan area only; international travel cannot be reimbursed)	http://www.einstein.yu.edu/education/phd/the-summer-undergrad-research-program.aspx	Early February
Alliance for Health Reform in Washington D.C.	Winter/Spring Term: January-May Summer term: June to August Fall term: September to December	Interns at the Alliance receive a thorough education in health care economics and politics, the roots of the problems with our health care system, and the various proposed reform strategies. They have a variety of responsibilities including: research, health policy analysis, event planning and execution, web page updates, and some administrative duties. Students work closely with experienced policy professionals, congressional staffers, administrators, and other members of the policy community. Interns attend events and forums on Capitol Hill and in the D.C. area.	<ul style="list-style-type: none"> •Strong writing, research, and communication skills and a strong interest in health policy. •Solid academic record •Must be pursuing a degree or a recent graduate. •Must be available to intern for the whole semester. (Example: late August/early September through mid-December; early January through mid-May; end of May through mid/late August) •Prefer candidates who can intern 37.5 hours per week, but we welcome all applicants. •Pluses: community service; coursework in history, political science, and economics. 	The Alliance offers a modest stipend. Interns are responsible for their own housing, travel, and other associated expenses.	http://allhealth.org/aboutus_internships.asp	Winter/Spring Term: Late November Summer term: Late February Fall term: Early June

Research

ClinicalMedical

Freshmen-Eligible

Health Admin & Consulting

Other HP

Global Public Health

URM Minority Students

GAP