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
- LGBTQIAAP-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.
• 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
On going Strategies for Outreach

- 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/](http://cda.uams.edu/prgm/)
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 Kineties; 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.mimentor.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=IwAR2eOCANPVqQlcnHl2WJIRwz0m6lIsWfPxyGk2pBVA-KefZXTNRxRogfBg0

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/
<table>
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<tr>
<th>Program Sponsorer</th>
<th>Program Dates (May vary from year to year)</th>
<th>Description</th>
<th>Eligibility</th>
<th>Compensation/More Information</th>
<th>Website</th>
<th>Application Deadline (may change from year to year)</th>
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<tr>
<td>Albert Einstein College of Medicine Hispanic Center of Excellence Summer Undergraduate Mentionship Program</td>
<td>June 23- August 4th</td>
<td>The Summer Undergraduate Mentionship Program (SumU) of the Hispanic Center of Excellence (HCO) is a seven-week program that offers students from underrepresented groups in medicine and/or economically disadvantaged backgrounds the unique opportunity to become exposed to the realities and options within the medical profession through a &quot;shadowing&quot; experience with physicians. This shadowing experience, a primary area of specialty, is an introductory program that offers students a broad and comprehensive curriculum, including medical lectures, hands-on workshop participation and literature reviews under the supervision of a research mentor and medical librarians at Einstein.</td>
<td>Must have completed at least their freshman year with at least one year in community (junior, senior, or higher)</td>
<td>Students must complete the online application, provide an official college transcript, and obtain a letter of recommendation from a faculty member before the deadline.</td>
<td><a href="http://www.einstein.yu.edu/centers-of-excellence/opportunities.aspx">http://www.einstein.yu.edu/centers-of-excellence/opportunities.aspx</a></td>
<td>Early April</td>
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<td>Albert Einstein College of Medicine Summer Undergraduate Research Programs (SURP)</td>
<td>June 11th - July 28th</td>
<td>Each summer, the Einstein Summer Undergraduate Research Program (SURP) brings together 10 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.</td>
<td>Cisenin, or potential candidate with a strong background in the sciences (biology, biochemistry, chemistry, physics, engineering, or biomedical engineering, etc.)</td>
<td>Completion of junior year in college</td>
<td><a href="http://www.einstein.yu.edu/education/summer-undergraduate-research-program.aspx">http://www.einstein.yu.edu/education/summer-undergraduate-research-program.aspx</a></td>
<td>Early February</td>
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<td>Alliance for Health Reform in Washington D.C.</td>
<td>Winter/Spring Terms, January-May</td>
<td>Interns at the Alliance receive a thorough education in health care economics and policy, the roles of the various players in the health-care system, and an overview of major health-care reform strategies. Interns have a variety of responsibilities in research, health policy analysis, event planning, and communications, and are responsible for organizing a research brief that experiences the work of the Alliance.</td>
<td>Strong writing, research, and communication skills and a strong interest in health policy.</td>
<td>Solid academic record, must be completing degree in a health-related field</td>
<td><a href="http://allhealth.org/about/alliance">http://allhealth.org/about/alliance</a></td>
<td>Winter/Spring Terms, Lane November, Summer Term: Late November, Fall Term: Early June</td>
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<td>Summer Terms, June to August</td>
<td>Interns attend events and forums in Capitol Hill and in the D.C. area.</td>
<td>Must be available to intern for the whole semester. (Exempt: late August/early September through mid-December; early January through mid-May, and mid-August.)</td>
<td>Must be available to intern for the whole summer.</td>
<td><a href="http://allhealth.org/about_internship.aspx">http://allhealth.org/about_internship.aspx</a></td>
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