

Indiana University School of Medicine

Division of Diversity Affairs
Diversity Outreach Comprehensive
Science (DOCS) Initiative



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Overview

Outreach Programs designed to **attract** persons of color to the biomedical sciences **Pipeline** through programs that provide:

- exposure to the **people, places, and things** associated with preparation for careers in health care professions
- classroom** and **hands-on** laboratory training experiences during academic year and summers



- **career awareness** and **exploration** activities that stimulate and motivate young people to consider and prepare for health care careers
- opportunities for teachers to explore **effective, alternative methodologies** in science education
- opportunities for students to close “**learning gaps**” in Science, Mathematics, and Language Arts



Summer Initiatives

- **Brain Link...** for 100 students in grades 5-6 that uses:
- contemporary climate and geophysical issues as well as **hands-on dissections** of the frog, sheep brain, and cow eyes to **Ignite** and **Sustain** interest in Physical and Life Sciences
- Mathematics and Language Arts instruction to bolster skill levels









Middle School Academy of Science and Health Sciences-MASH... for 100 students in grades 7-8 that uses:

- **environmental** issues to frame the study of **ecological balance** and **hands-on fetal pig** and sheep heart dissections to study organ systems
- Mathematics and Language Arts enrichment classes aimed at improved performance on ISTEP





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The Council
City of Indianapolis
Marion County

CITY-COUNTY SPECIAL RESOLUTION NO. 39, 2010

A SPECIAL RESOLUTION commending the efforts of the *IU School of Medicine's (IUSM) Division of Diversity Affairs* on its Brain Link and MASH summer programs.



High School Summer Enrichment... for 25 students in grades 10-12 that focuses on:

- Health career **awareness** by heightening awareness of secondary school requirements for pre-medical, undergraduate training that includes ACT/SAT preparation workshops
- Health careers **exploration** by engaging students in **physician shadowing**, CPR training, and clinical exposure to include visits to IUSM Simulation Center and the Marion County Coroner's Office
- An assigned **research project** and assistance in preparing and presenting a biomedical research report



Academic Year Initiatives

Health Career Clubs... for area high schools that are aimed at creating a cadre' of students of color who have interest, motivation and preparation for the next tier of training leading to medical school.

- Clubs at **Tindley and George Washington** are established, and future Clubs at Pike, Arsenal Tech, Northwest, and Crispus Attucks are scheduled for establishment in 2011-12.



Exposure to personnel and facilities are key features, as participants engage in **monthly** informal career awareness and exploration sessions where **doctors and medical students** discuss:

- Life as a medical student
- Internships, specialties and why they were selected
- How to write a competitive admission/financial aid applications
- How to take vital signs
- Visits to IUSM-affiliated hospitals and Simulation Center



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Ben Carson Reading Rooms

Reading Rooms...designed to motivate students to become proficient in reading through independent reading in a **child-friendly atmosphere**:

- Each colorfully decorated room is stocked with books purchased from IUSM funds (\$15,000)
- Students can **earn rewards** based on number of minutes/pages/books read
- 6 Reading Room sites: Wendell Phillips #63; F.W. Parker #56; Louis B. Russell, Jr. # 48; Christel House Academy; Pleasant Run Elementary; and Southeast Neighborhood School of Excellence.



Pleasant Run Elementary





Southeast Neighborhood School of Excellence





F.W Parker Montesorri School #56





Carson Scholars Fund

\$1,000 Scholarships aimed at cultivating future leaders who are **socially conscious scholars**

- awarded to student in grades 4-12
- Indianapolis **Colts partner** with IUSM to endow schools at \$30,000
- IUSM has endowed Tindley and George Washington with a \$1,000 annual scholarship each in perpetuity