

MFDP K-12 Newsletter

Published by the Minority Faculty Development Program of Harvard Medical School ❖ Summer 2001. Volume 1, Number 2.



Photos: (clockwise from top left) students, keynote speaker Marc D. Hauser, PhD, teacher Oscar Lazo with students, and student with JSBS agenda .

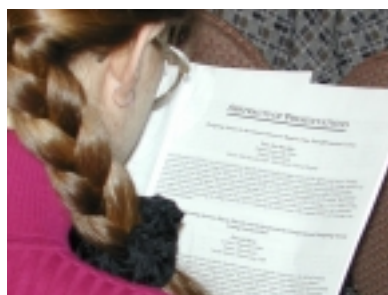
Welcome to the second issue of the MFDP K-12 Newsletter, published by Harvard Medical School's Minority Faculty Development Program of the Office of Faculty Development and Diversity.

The K-12 Newsletter is published three times a year as an extension of our student and teacher programs. The newsletter not only highlights various aspects of our programs, but also encourages increased involvement in the educational process from all participants, including parents, students, teachers, and administrators. Features include information about ongoing programs, a parents' column, and important program dates.

We value your input. Please give us your feedback on the newsletter and let us know of any ideas you may have for future issues. For more information on Harvard Medical School's K-12 Programs, please contact us at (617) 432-4634 or visit our Web site at www.mfdp.med.harvard.edu. ■

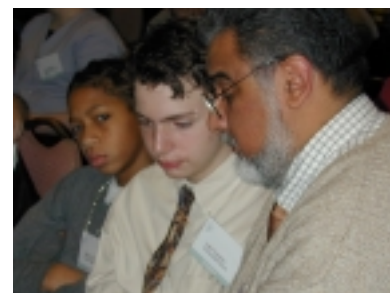
JSBS HIGHLIGHTS

Harvard Medical School's Minority Faculty Development Program hosted the 2001 Southern New England Region's Junior Science and Humanities Symposium (JSBS) on March 23rd and 24th. This event brought together over two hundred high school students from Massachusetts and Rhode Island for two days of presentations, discussions, and visits to HMS-affiliated hospitals. The JSBS seeks to recognize students for their outstanding achievement in the sciences. It is also a chance for student participants to interact with



researchers and to explore future academic and career opportunities. Forty-seven regional symposia are held throughout the country, and five finalists from each region are invited to attend the National Symposium in Orlando, Florida.

Students submitted abstracts and research papers which were reviewed and evaluated by science teachers and HMS faculty. Fifteen students prepared poster displays of their research, and ten finalists presented their work orally. Conference attendees watched these ten students compete for a \$4,000 scholarship toward their college education. Student research was conducted on a wide range of topics including the retrieval of patient information from hospital web sites, and a comparison of the effects of lipoic acid and vitamin E on Leukostasis in diabetic rats. The five students selected to attend the National Symposium were Aleksas Hauser and Gei-Tai Lin from **Lexington High School**, Joe Rago from **Falmouth High School**, Pablo M. Ros from **Milton Academy**, and Kirk E. Lohmueller from **Central Catholic High School**. Kirk E. Lohmueller went home with this year's first place prize for his paper entitled, "The Effectiveness of Association Studies in Testing Susceptibility Genes for Complex Disease." As the Southern New England's first place winner, Kirk was able to compete at the National Symposium for a chance to win an additional \$16,000 scholarship for college. ■



Harvard Medical School
MFDP/K-12 Programs
164 Longwood Avenue
2nd Floor
Boston, MA 02115
Tel: 617-432-4634
Fax: 617-432-3834
fld_mfdp@hms.harvard.edu



FOR STUDENTS...

If you are a rising junior or senior in high school, the summer months are an ideal time to begin your college research. Get a head start and check out these Web sites:

www.collegeboard.com

Not only can you register for the SAT here, but you can take a free diagnostic mini-test and get a predicted score. This site contains tips on the SAT II subject tests and AP courses, as well as a SAT Question of the Day!

www.campustours.com

Looking for a four year college in Arizona that has an environmental science major and a swimming team? Type it all into this search engine. Once you have compiled a list of prospective colleges, take a virtual tour of the campus.

<http://content.sciencewise.com>

Be sure to check out the Minority On-Line Information Service (MOLIS) for information on minority institutions and minority targeted opportunities. Search their minority scholarship database and find out about Historically Black Colleges and Universities, Hispanic Serving Institutions, and Tribal Colleges and Universities. ■

Link Spotlight...

www.amsweb.com

Academic Management Services homepage.

FOR PARENTS...

Alpha Research Associates recently conducted a survey of the parents of high school students concerning the financing of their child's college education. The survey revealed that only 28% of parents of high school juniors reported doing "a great deal" of planning to finance their child's education, and more than 70% of them planned on receiving scholarships. According to the survey, 22% of parents of high school juniors expected that at least half of their child's education will be funded by some source other than themselves. Unfortunately, these expectations may be unrealistic. Check with your child's Guidance Counselor about financial aid and scholarship opportunities!

To learn more about the College Parent Study survey, please call 401-435-4875 ext. 236.

www.wiredscholar.com

Applying for a school is only half the battle—this website helps you understand the cost of a college education. Estimate how affordable certain schools are and learn about different payment options. You can also fill out the necessary forms for financial aid—the Free Application for Federal Student Aid (FAFSA) and the CSS PROFILE—directly on this site. Finally, check out the Scholarship Search—one of the biggest, most comprehensive scholarship databases on the internet!

www.heic.org

Need some personal advice? No matter how thorough a Web site is, nothing beats personal guidance from an experienced counselor. Visit the Higher Education Information Center (HEIC) at the Boston Public Library in Copley Square. Their multilingual staff offers you free assistance with completing admission and financial aid applications! Beat the September rush and look through "the Fund Finder," a database with information on scholarships, loans, and internships from colleges all over the country. Call them at (617) 536-0200 for more information. The Boston Phoenix states simply: "The money is out there, and HEIC will help you find it." ■

Link Spotlight...

www.pplace.org

A site designed to give parents and families a chance to learn more about raising and educating their children.

**Project
Success**
June 26-
August 17

**Summer
SAT Prep**
July 10-
August 9

**Project
Success
Student
Presentations**
August 16

**Math &
Science
Summer
Camp**
July 23 -
August 10

**Case
Writing
Workshop for
Teacher
Fellows**
August 30

ALUMNA WINS AWARD

HMS Teacher Institute alum Berinda Malden was recently named one of Boston Public Schools Teachers of the Year. Fifteen Teacher of the Year awards were issued from the Office of the Mayor in conjunction with the Superintendent and the School Committee. The awards seek to honor teachers who are dedicated to their students and to their subject, who have reached out to parents, and who have gone “above and beyond” in their role as educators. Selected for her outstanding commitment to science education, Ms. Malden and other award recipients were honored at a ceremony on June 12 at Faneuil Hall.

A 7th and 8th grade science teacher at Martin Luther King, Jr. Middle School, Ms. Malden works hard to provide educational activities for her students both inside and outside her classroom. Each week she brings students to Harvard Medical School (HMS) to

participate in the Mentoring for Science program, and she has helped coordinate and teach the HMS Summer Math and Science Camp. Ms. Malden has

also volunteered her time to teach an evening workshop to medical students entitled, “Teaching and Tutoring in Urban America”.

Speaking about her philosophy of education Ms. Malden says, “It is our responsibility to provide a safe and nurturing atmosphere. A classroom should be a laboratory that generates excitement through learning. It must be an environment that creates hope and optimism for the future. Educators must provide students with the knowledge and study skills they need to succeed.” Ms. Malden says that she is “greatly honored” to accept

the Teacher of the Year award, and to be recognized for her commitment to youth. We congratulate her on this prestigious award. ■



*Alumna Wins Award
Berinda Malden,
Martin Luther King Jr. Middle School*

TEACHER INSTITUTE MINI-SABBATICAL

In March, thirteen Boston Public Schools (BPS) teachers eagerly participated in a Mini-Sabbatical sponsored by the Harvard Medical School (HMS) Teacher Institute. The Teacher Institute, funded by the Howard Hughes Medical Institute, seeks to strengthen the partnership between Harvard faculty and the Boston Public School System, and holds the three-day workshop in March of every year. The workshop focuses on the application of problem-based learning in the science classroom, and uses cases developed by HMS faculty in consultation with K-12 science teachers. Students of this method become engaged in solving medical problems while learning science information that is linked to City and National Science Standards.

This year’s workshop began with an introduction to case-based learning as Robert (Bob) Rochlin, MA, biology teacher from English High School in Jamaica Plain, and Edna Epsimos, MEd, science teacher from Henry Dearborn Middle School in Roxbury, exposed teachers to a mini-case titled “No Toast”. During this session teachers used the

scientific method to solve the mystery of “No Toast”.

Throughout the next three days teachers reviewed “Tina’s Tale”, a medical case written by Joan Y. Reede, MD, MPH, MS, virologist Anne Nicholson-Weller, MD, and neuroscientists Edwin Furshpan, PhD and David Potter, PhD wrote

scientific articles to accompany the case. Scientists and physicians from HMS and HMS-affiliated hospitals conducted presentations and laboratory site visits. Luc Joseph, MD, MPH, a pediatrician at Children’s Hospital, spoke about the social aspects of asthma in

the classroom, and Aegina Martin, PhD, Paula Smith, PhD, and Bob Rochlin taught laboratory activities to the participating teachers. The culmination of the Mini-Sabbatical came on Friday as Teacher Fellow Alums discussed the implications of integrating case-based learning into the classroom. Berinda Malden, MEd, science teacher from Martin Luther King, Jr. Middle School in



*2001 Mini-Sabbatical
Participants and Presenters*

◆ *Continued on next page...*

www.grantsnet.org
A database of funding opportunities in biomedical research and science education

<http://science-education.nih.gov>
The website of the Office of Science Education—a valuable resource for students and teachers

www.nfie.org
The NEA Foundation for the Improvement of Education awards grants to educators who propose innovative and promising ways to help all students experience academic success

www.learner.org
An extensive collection of videos, workshops and libraries

MENTOR PROFILE: *Achilia Morrow*

Achilia Morrow took a break from Harvard Medical School (HMS) this year to work with the office of Faculty Development and Diversity on its Mentoring for Science (MFS) program.

“When I first thought of taking a year off, I had originally planned to teach. However, the thought of me alone in a room full of 20+ kids kind of scared me. I liked that the MFS program, especially the summer component, would allow me to teach with an experienced teacher and a smaller group of students. Most importantly, the program created a chance to encourage the love and excitement of science to a group of students.”

Achilia completed her undergraduate work at Stanford University and graduated with her BS in Biological Sciences in 1997. Attending a weekend in which under-represented minorities are invited to come take a second look at the school, convinced Achilia to pursue her medical degree here at HMS.

“There was such a sense of community amongst

the minority community and they seemed to really enjoy being here. I began to realize that the people and connections that I would be able to make here, would help me pursue my goals in the future whether it is to start a clinic, create educational programs, or whatever else I decided to do.”

In addition to working on the MFS program this year, Achilia coordinated a Pregnant and Parenting Teen Program, and tutored high school science once a week.

Achilia returns to medical school in July. She will complete what is traditionally the fourth year of medical school and graduate in June 2002. Ultimately she wants to do an adolescent medicine fellowship after her internal medicine residency. Her work with the MFS program has helped Achilia define her future goals.

“Ideally someday I would like to create and/or implement programs

related to adolescent mental and physical well-being in areas where such programs do not exist, but are needed.” ■



◆ *Continued from previous page...*

Dorchester, Betty Bridgforth, EdD, physics teacher from Charlestown High School in Charlestown, and Edna Epsimos shared their experiences of using cases in the classroom.

The Teacher Institute Mini-Sabbatical is open to all Boston Public School middle and high school science teachers. Participating teachers become HMS Teacher Institute Teacher Fellows. As Teacher Fellows, teachers receive a stipend, professional development points, funds for classroom supplies, a classroom curriculum kit and are invited to attend breakout sessions during the academic year. In addition, funds are available for substitute teacher coverage. ■

MFDP K-12 Newsletter — Summer 2001. Volume 1, Number 2.

Created and published by Harvard Medical School

Office of Faculty Development and Diversity (FDD), Minority Faculty Development Program (MFDP)

Joan Y. Reede, MD, MPH, MS, Associate Dean

Contributors and Editors—Sandra T. Sims, *Director of K-12 Programs*; Faries Odom, *Project Coordinator K-12 (Student) Programs*; Emily Rickards, *Teacher Institute Coordinator*; Jennifer Park, *Staff Assistant*; Amy Griffin, *Staff Assistant*

Harvard Medical School
MFDP/K-12 Programs
164 Longwood Avenue
2nd Floor
Boston, MA 02115
Tel: 617-432-4634
Fax: 617-432-3834
fild_mfdp@hms.harvard.edu

