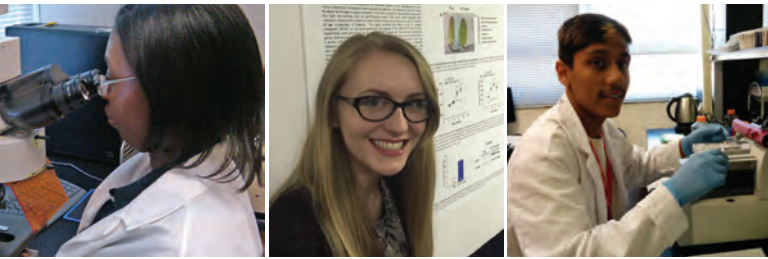


More than 60 *Base Pair* students matriculated into post-baccalaureate educational programs. Many have already graduated and received their degrees.

25 Master of Science Programs;
23 M.D. Programs;
7 Ph.D. Programs; and
6 Law Schools

Base Pair students and teachers have cumulatively published close to 400 citations; of these, students alone have published approximately 350, while more than 130 additional non-published presentations have been made.

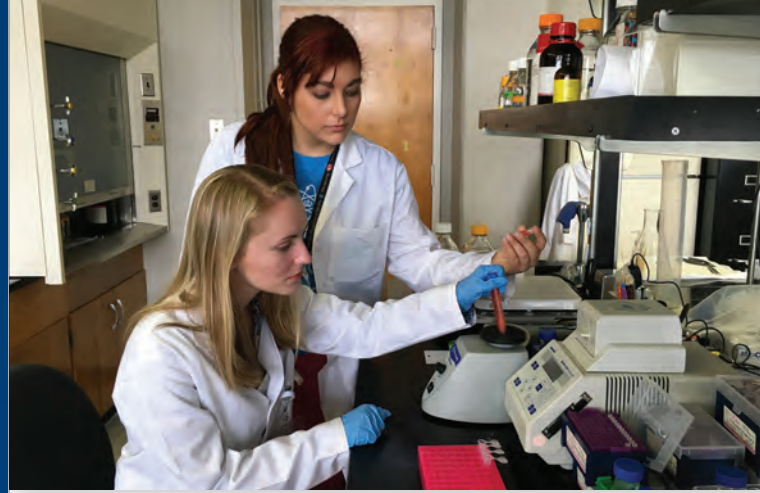


More than 1,000 students have been reached by *Base Pair's SOAR program* at Jim Hill High School, which has been embedded into the academic curriculum.

Five public and private schools statewide are active participants in *Base Pair's RBI program*.

Over the past 10 years the *Base Pair* Class at Murrah has been responsible for:

- Over 300 presentations at local, state and national events; including those at the Mississippi Academy of Sciences, the INTEL International Science and Engineering Fair, and the National Junior Science and Humanities Symposium.
- More than 200 published abstracts
- Over \$15 million in scholarship offers
- Students accepted to every Ivy League School, MIT and Stanford



**The Base Pair Program is
100% Philanthropically Supported**

CONTRIBUTE NOW

The Base Pair program will mark its **25th anniversary** during the 2017-18 academic year. Please join us in celebrating its legacy of scientific achievement by making a gift to the *Base Pair Fund* to help prepare the next generation of researchers, students and educators.

Please make your check payable to:

Base Pair Fund

Mail to:

Office of Development

The University of Mississippi Medical Center

2500 North State Street

Jackson, MS 39216

Give online at:

www.umc.edu/basepair

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CELEBRATING

25
YEARS

**BASE PAIR
FUND**

**In support of high school
students & educators**



BASE PAIR LEADERSHIP



Rob Rockhold, Ph.D.
Deputy Chief Academic Officer
Professor, Pharmacology &
Toxicology
Director, Base Pair Program



Donna Sullivan, Ph.D.
Professor, Medicine &
Microbiology
Co-Director, Base Pair Program



Mr. Jeff Stokes
Murrell High School
Lead Teacher,
Base Pair Program

Under the leadership of Dr. Rob Rockhold, UMMC deputy chief academic officer, and initiated during the 1992-93 academic year, **Base Pair** is a collaboration between the Medical Center and Mississippi public and private high schools for STEM education and health-care development.

Approximately 200 students have participated in the program.

The core element is the biomedical research mentorship that pairs UMMC faculty scientists with high school students and educators from Murrell High School in the Jackson Public School District. Other public and private high schools across central Mississippi also participate in many **Base Pair** initiatives.

Base Pair participants have a 100 percent high school graduation rate and a 99 percent college entrance rate.

To date, **Base Pair** students have co-authored and/or presented 350 abstracts, research posters and published manuscripts.

From a modest start, **Base Pair** has exerted a significant, positive influence on science education through conferences, workshops and presentations locally, regionally and nationally.

MISSION STATEMENT

"To utilize the intellectual excitement inherent in a University Medical Center setting as an impetus for the professional advancement of high school students and educators, as well as a model for invigoration of secondary school science education."

TIMELINE OF ACHIEVEMENT

1992 The first **Base Pair** class at Murrell High School begins its scientific mentorship at UMMC



1994 **Base Pair** obtains Howard Hughes Medical Institute (HHMI) funding that will ultimately reach 20 years of support



1994 **Base Pair** incorporates a Biomedical Research course

2001 **Base Pair** initiates the Student-Oriented Academic Research (SOAR) program, which establishes a network of scientifically literate students with research experience to serve as mentors for others



2007 **Base Pair** establishes its Rural Biomedical Initiative (RBI) curriculum, expanding the program's reach to rural high schools throughout the state of Mississippi

2015 The William R. Kenan Jr. Charitable Trust is established, a \$265,000 grant scholarship for **Base Pair** students at Millsaps College



2015 **Base Pair** enters an HHMI collaboration with Tougaloo College



Most **Base Pair** students are selected from the Jackson Public Schools Academic and Performing Arts (APAC) program.

Applications and teacher recommendations are used to select interviewees.

Base Pair candidates should be enthusiastic, curious and intellectually dynamic.

Base Pair has made such a positive impression on participating teachers that many of them have started similar scientific mentoring programs at high schools throughout the state.

