



Proposal: NIH-Supported Summer Research Program for High School and College Students, and Science Teachers

- Why An NIH-Supported Summer Program?
 - To provide a high-quality science research experience with the potential to:
 - help enhance science literacy
 - offer an educational opportunity not available at students' home schools
 - generate serious interest among talented young individuals to consider science as a career
 - help prepare undergraduates for the rigors of a research doctorate program
 - offer science teachers a research experience that may inform their classroom and laboratory teaching
 - This could be an important component of the biomedical research workforce pipeline.



- Many research institutions across the country offer summer research programs.
- The overwhelming majority of these programs make special efforts to enroll diverse student populations.
- All use these programs to recruit students to their PhD and MD/PhD programs.
- But all turn many applicants down for lack of funds.
- The NIH 2009/2010 ARRA Summer Program:
 - 758 High School Students
 - 3529 College Students
 - 698 Science Teachers
 - \$45M
- This initiative will allow NIH to build on the ARRA success.

- Create an NIH-wide summer program
 - An institutional program fashioned after several existing IC programs
 - Provides a structured research experience, creating a community of participants pursuing similar goals: group activities such as career seminars, organized interactions with graduate students & faculty, scientific presentations, & networking.
 - Student selection process is by the program rather than individual laboratories.

- Applicants would not be required but would be encouraged to name students and/or teacher participants at the time of application.
- Science teachers at the K-12 level and college teachers from non-research-intensive institutions could be included, as long as they explained how they would utilize their summer experience in their science classes.
- A plan for short-term assessment, such as entry into college science curricula, graduate school, and evidence of teaching enhancement by teachers would be required.