Howard Hughes Medical Institute

Initiative to Colleges -- 2008

Approximately a 1 million dollar proposal

Your HHMI team:
Kate Dayton, Denise Flaherty, David Grove, Reggie Hudson, Steve Weppner, Laura Wetzel
To engage students in inquiry-based science
To prepare undergraduates, including women and members of minority groups underrepresented in the sciences, for graduate studies, and careers in biomedical research, medicine, and science education.
To promote science literacy in all students
To enable science departments to broaden their expertise in emerging disciplines
To support high-quality, innovative approaches in science teaching
To enhance precollege education by connecting college science departments with K-12 teachers, students, schools
To disseminate successful science education approaches and tools.
Components:

Research – Dayton
Science Education – Wetzel
Biology – Flaherty
Computational Education - Weppner
Computation Modeling Modules for Biology

6-8 will be developed by Cox, Junkin, Weppner and Wetzel in conjunction with biologists and students.

These models will be created on readily accessible software and then, if successful, disseminated on the internet.

Example: Physics 1
Hire a mathematical biologist

Split Position between biology and math

This position would help develop mathematics courses for biologists with the help of both disciplines

The model for the courses would be Biology 2010