

PUBLIC HEALTH & PREVENTIVE MEDICINE

GRAND ROUNDS

Sponsored by: The Division of Health Services

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Health Discoveries Program and Let's Get Healthy! Exhibit
Doctorate of Neuroscience

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12 PM-1 PM

Campus Services Building Room 679

Engaging schools in science education through interactive participation in research

ABSTRACT

Students are taught science content in schools, with less frequent classroom discussions dedicated to the context and process that drive scientific research. While teachers are poised to discuss these areas in the classroom, many are intimidated by a lack of experience with experimental science, and unable to keep pace with the rapid advances science and technology. Using a combination of teacher professional development and an interactive education and research exhibit for students (*Let's Get Healthy!*), schools can customize a learning experience that provides targeted education on a range of cutting edge research topics. Students are able to participate in an actual research study as anonymous participants and receive immediate, tailored feedback about their own health. Teachers are able to bookend their students' experiences with classroom discussions and teacher-developed lessons that reinforce what students are learning. As a result, both teachers and students report improved knowledge, attitudes and behaviors toward human subject research, with teachers becoming more comfortable discussing biomedical research topics in the classroom. Together, the results suggest that an integrated program dedicated to the culture, rather than content, of biomedical research can be extremely effective at improving knowledge, attitudes and behaviors of middle school teachers and students.

Food and beverages will be provided.