

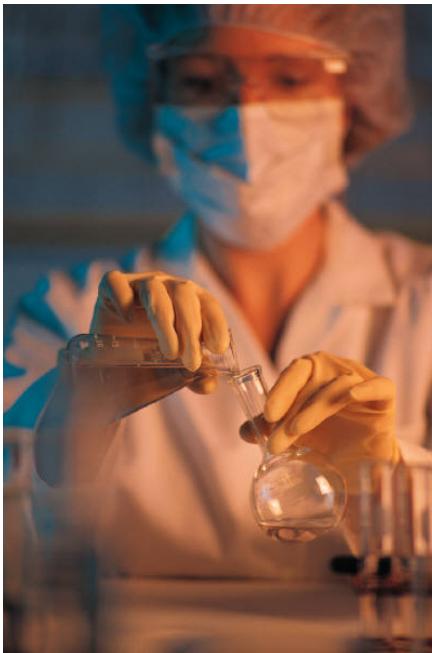
How to apply

All high school physics teachers are eligible to apply. Please visit the San Gabriel Valley Science Project at:

<http://csmp.ucop.edu/csp/sgvsp/index.php>

for teacher and student online applications. All applications are due by May 30, 2008.

Contact information



If you have any questions regarding our program, you may call CEEMasT office at (909) 869-4063 or email Nicole Wickler at nizwickler@csupomona.edu



CAL POLY POMONA

The Howard Hughes Medical Institute Summer Program July 28-August 1, 2008 At Cal Poly Pomona



What can you expect?

Monday July 28 through
Friday August 1st

Times: 9:00 a.m. to 3:00 p.m.

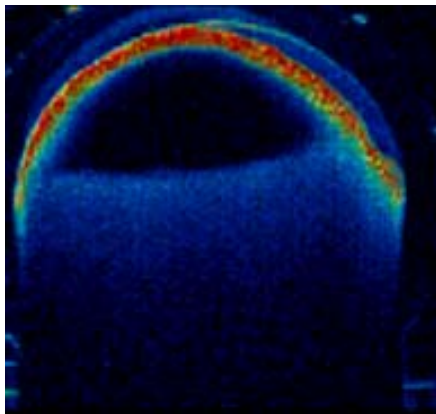
Location: Cal Poly Pomona

You will attend a one-week summer science institute. Each day of the institute you will engage in sessions to improve your content knowledge about the following California Science standards: Investigation and Experimentation: 7 a, b, c, d, e

and Physics principles, Waves:

4 a, b, c, d e, f & l

In addition, you will have the opportunity to visit the Optical Coherence Microscopy (OCM) lab at Harvey Mudd College.

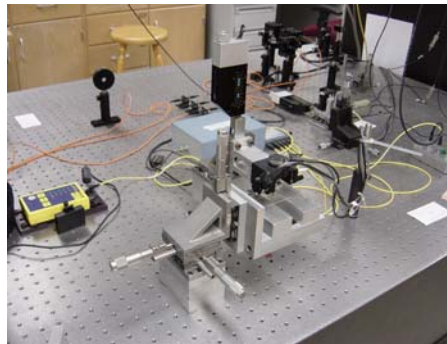


OCM image of a developing frog embryo

Student participants

Each teacher is encouraged to bring along two students who have shown interest in science and potential to be science mentors and future researchers.

The students will participate in all activities with the teachers. The workshop will prepare them to become teaching assistants in the high school classroom. This is a great opportunity for interested students to learn about science teaching methods and real research laboratories.



Follow-up Sessions

There will be three follow-up sessions during the 2008-2009 school year. The participants will determine the scheduling of these meetings. These sessions will support you in applying your new learning in your own classroom.

Benefits for Teachers

1. \$500 stipend (\$100/day) for the one week Summer workshop
2. Over 40 hours of professional development and the possibility of receiving four units of course credits.
3. Inquiry-based activities for teaching Science
4. Teaching strategies, methods, curriculum, demonstrations, and ideas regarding science education
5. Meet other teachers from the area
6. Collaboratively improve science lessons using district-adopted materials
7. Insight into exciting cutting edge research

Project Instructors

Cal Poly University Physics professors Homeyra Sadaghiani and Barbara Hoeling will be conducting this summer institute. Dr. Sadaghiani is an expert in physics education research, and Dr. Hoeling's field of research is biomedical optics. Both faculty are experienced, knowledgeable, and sensitive to the needs and demands of secondary teachers today. You will receive guidance and support from content experts in science and science education in learning to analyze and improve your science teaching.