



# MIG Evaluation Update

# Goal of Evaluation

- 1. To determine the effectiveness of the program strategies:**
  - WHY are these strategies effective?
  - WHY are these strategies NOT effective?
- 2. To disseminate “lessons learned” to the graduate education community**

# We already fill out an APR each year... do we need to do more??

- The APR captures the view of the Program Director
- HHMI is interested in the student perspective

# Student perspectives:

## Short term outcomes

- Are students engaged in medically-relevant research?
- Are they collaborating with clinicians?
  - ...What program components best contributed to these outcomes?

# Student perspectives:

## Long term outcomes

- Are they still engaged in medically-relevant research?
- Are they still collaborating with clinicians?
  - ....Did the program components prepare the students to work at the interface of biomedical science and clinical medicine?

# How do we collect this information?

- Institutions collect data using their own survey instrument

OR

- With a survey tool provided by HHMI: CourseEval
  - FREE for you!
  - Technical Support

## Next steps:

- What HHMI will provide: questions for survey
- Training for the CoursEval survey tool

# HHMI's Cool Science website

The screenshot shows the HHMI Cool Science website homepage. At the top, the HHMI logo and name are on the left, and navigation links (HOME, ABOUT HHMI, PRESS ROOM, EMPLOYMENT, CONTACT) and a search bar are on the right. Below the header is a main navigation bar with categories like HHMI NEWS, SCIENTISTS & RESEARCH, JANELIA FARM, SCIENCE EDUCATION, and RESOURCES & PUBLICATIONS. A secondary navigation bar includes COOL SCIENCE HOME, FOR EDUCATORS, BIOINTERACTIVE, FOR CURIOUS KIDS, SCIENCE EDUCATION ALLIANCE, ASK A SCIENTIST, and BECOMING A SCIENTIST. The date MARCH 02, 2009 is displayed. The main content area features a large central image of a young woman using a microscope, with the text 'Becoming A Scientist' and 'Learning How to Succeed in Biomedical Research' overlaid. To the left of this image are three smaller panels: 'For Educators' (with a chalkboard background), 'Biointeractive' (with a molecular model), and 'For Curious Kids' (with a monarch butterfly). To the right are three more panels: 'Science Education Alliance' (with two students), 'Ask a Scientist' (with a man at a laptop), and 'Becoming a Scientist' (with a woman using a pipette). A 'click to enter' button is positioned at the bottom of the central image.

## Designing Scientific Posters

 1 review

This online publication from Swarthmore College is a resource for creating interesting and visually appealing posters that communicate scientific research clearly and effectively. The text, written in a conversational tone, explains what to include in a scientific poster and what to omit. It also details each aspect of the production process—from choosing and using software (with links to page layout applications and a downloadable PowerPoint poster template) to using art, color, images, and sound for bird songs or other audio subjects. Photographs of posters and poster sessions enhance the tutorial. Helpful tips for preparing rough drafts, avoiding common mistakes, and presenting the poster at a conference are also part of this comprehensive tutorial.



### Poster Template #1

This poster template contains a good deal of white space, which the author of this resource says is a critical component of a readable poster.

Media: PDF



### Poster Template #2

This version of a poster layout places less important information at the bottom of the poster in order to leave more space for the writer's conclusions.

Media: Powerpoint

Resource URL: <http://www.swarthmore.edu/N...>

Audience: Graduate, College

### RELATED RESOURCES

- ⌘ Flash Tutorials for Biological Sciences
- ⌘ Laboratory Tales from Teaching Assistants
- ⌘ Research Techniques Workbook Modules
- ⌘ The Cardiovascular System Physiology Module
- ⌘ More than a Picture: Helping Undergraduates Learn to Communicate through Scientific Images
- ⌘ Undergraduate Research Ethics Cases

### RELATED LINKS

- 🔗 [Online journal of scientific posters](#)
- 🔗 [Design of scientific posters](#)
- 🔗 [Poster preparation in digital age](#)

- Resources include websites, courses syllabi, classroom activities, videos, publications and more
- It is searchable by type, topic, and grade level

## How can the Med to Grad program be involved?

- We want to add resources from your HHMI-funded programs.

Contact Judy Saks at [saksj@hhmi.org](mailto:saksj@hhmi.org) or 301-215-8757.

- Med into Grad submissions might include special courses or seminars you have developed with HHMI funds and are available online

Example: lecture notes and slides from the University of California, San Diego, School of Medicine course called

At the Crossroads: Science Meets the Medical Patient”

might make a good addition to the For Educators site.