

## **2002 ACS Mellon Technology Fellowship**

### **Providing Connections: Resources for Cell Biology**

**Karen Bernd**

During this fellowship I developed materials to augment the case study approach used in my Cell biology course. The course integrates material from a text, websites and lab experiments and applies them to our particular cases. Because the information comes from many sources previous student comments indicated that they liked the case studies but needed help knowing what to focus on from the different sources. They also admitted that designing experiments in lab became clearer when they had thoroughly read the lab manual. To address these two points I created a course guide that provides study questions for each of the readings and further developed online quizzes that promote consistent lab preparation. In addition to these two developments I also integrated greater use of animations and movie clips to address the needs of visual learners. The animations will be used this semester as reading material not just as supplements and explanation for their focus and use are found as part of the course material.

The course guide can be found at <http://www.bio.davidson.edu/people/kabernd/cellbiohm.html> . The online quizzes are available through the Blackboard portal system. (Guest access can be arranged)