

**EQUIPMENT NEEDS ASSESSMENT APPLICATION**  
**Fall 2016**

Name of Person Submitting Request:	Lorrie Burnham
Program or Service Area:	Biology
Division:	Science
Date of Last Program Efficacy:	Spring 2013
What rating was given?	Continuation
Equipment Requested	Microscope slides, slide storage cabinets, and dissection specimens
Amount Requested:	\$6000
Strategic Initiatives Addressed: (See <a href="http://www.valleycollege.edu/about-sbvc/office-of-president/college_planning_documents/documents/strategic-plan-report-working-doc-8-25-15-2.pdf">http://www.valleycollege.edu/about-sbvc/office-of-president/college_planning_documents/documents/strategic-plan-report-working-doc-8-25-15-2.pdf</a> )	Goal 2. Student Success

NOTE: To facilitate ranking by the committee, submit separate requests for each item; however, multiple items can be submitted as one request if it is required that the equipment is packaged together.

Replacement  Additional

Are there alternative funding sources? (for example, Department, Budget, Perkins, Grants, etc.)

Yes  NO

If yes, what are they? \_\_\_\_\_

1. Provide a rationale for your request. (Explain, in detail, the need for this position.)

This request is to purchase prepared microscope slides, slide storage cabinets, and preserved organisms in the updated curriculum for majors' biology, which now meets C-ID and transfer degree requirements for Biology. This request for slides is an on-going need in several Biology courses: Bio 155, Bio 250, Bio 251, Bio 260, Bio 261, Bio 205, and Bio 206. The curriculum in these courses is based on the exploration of a diversity of cells and organisms under the microscope. It helps students understand the trillion cells of the human body, and the biodiversity of cells/organisms on Earth.

Currently the Department's slide collection does not support every course and their numerous number of sections offered within a single semester. Our current collection does not support a broad scope of examples nor it is able to replace losses as they occur every semester. We currently divert resources between courses and sections, but as a result students are unevenly trained because not all essential cells/organisms are covered. The financial support will provide supplies to lab experiences that must be implemented to have parity with university transfer. It is difficult to maintain parity when the Department is restricted by its funding level. Unfortunately, these lab supplies are extremely costly ranging from \$9 - \$15 each.

2. Indicate how the content of the department/program's latest Efficacy Report and/or current EMP supports this request and how the request is tied to program planning. (*Directly reference the relevant information from your latest Efficacy Report and/or current EMP in your discussion.*)

2013 Program Efficacy, p17-18 Planning, and p18-19 Accomplishments and Strengths. The narratives in these sections suggest challenges and opportunities that face the Biology program in the near term. The ability of the Biology Dept. to teach its labs is contingent upon having the necessary resources.

3. Indicate any additional information you want the committee to consider (*for example, regulatory information, compliance, updated efficiency, student success data, planning, etc.*).

4. Indicate any related costs (including any ongoing maintenance or updates) and department/program's plans to support those costs.

none

5. What are the consequences of not funding this equipment?

There are no alternative funding sources for this equipment. Thus it compromises the completion of SLOs that evaluate anatomy learning. Not having these resources could lead to suspension of critical labs in anatomy and physiology and organismal courses. Without funding these laboratory resources, will be inadequate in training students for transfer to four-year universities and professional schools, and inadequate for allied health students entering technical programs such as Pharmacy Technology and Nursing. The efficacy of the Department's laboratory courses is based on the availability of supplies and equipment.