Cardiovascular Workshop hosted by Department of Biology, Solano College, Sept., 2009: Financial Support from AAA, the American Association of Anatomists:

**Workshop:** Anatomy of the Cardiovascular System  
**Instructors:** Patricia Itaya and additional anatomy faculty and student dissectors, Dept. Biology, Solano College  
**Tentative date:** Workshop is planned for a Sat. morning in fall (probably Sept., ’09), ~9am-1:30 pm, including lunch break  
**Location:** Solano College, Bldg. 300 (Science Bldg.), Anatomy lab, Rm. 306  
**Participants:** Limited to 10 high school biology teachers in Fairfield, Vacaville, Vallejo, Napa region

Preference given to participants in the anatomical demos at Solano College and to teachers of Anatomy and Physiology. Each participating teacher will select 2 students, for a total of 30 participating teachers and students. Including students from each teacher’s classroom will result in training a student helper for classroom activities.

**Program planned:**

1. **Power-point presentation**  
   a. An overview of the basic anatomy of the heart and blood vessels  
   b. Route of blood flow through the chambers

2. **Hands-on activities**  
   a. Light microscopic observation  
      1. Three types of muscle tissue  
      2. Artery and vein  
   b. Review of the external and internal features of the human heart and great vessels  
      Anatomical model similar to the one that each teacher will be given  
   c. Demonstration of Solano’s collection of human hearts, both normal and pathological  
      1. Heart with a patent foramen ovale  
      2. Heart with stenotic branches of the Coronary arteries (bypass heart)  
      3. Heart with disease valve replacement  
   d. Demonstration of prosected cadavers  
      location of the heart, pericardium, lungs, trachea, diaphragm, phrenic nerve, and great vessels *in situ*  
   e. Demonstration of major arterial supply to the upper limb, head and neck, abdominal and pelvic organs, and lower limb  
   f. Hands-on dissection of pig hearts  
      following a guide that will be provided to the teachers

**Supplies for each classroom:**

1. Pig hearts and guide  
2. Model of human heart  
3. Chart of cardiovascular system  
4. Dissecting guide and tray and supplies  
5. Prepared microscopic slides of skeletal, cardiac, and smooth muscle

Lunch will be served in the lobby, a.k.a. “The Bird Room”, in Bldg. 300.

In order to provide feedback to the AAA, teachers will be asked to require their A&P students to prepare a short essay, describing which organ system they enjoyed studying during the demos and how they used the donated supplies.

Please sign your name on the Sign-up Sheet for Cardiovascular Workshop if you think you might be interested in attending. Please include an email address or way to reach you at the end of summer.
Sign-Up Sheet for Cardiovascular Workshop at Solano College, tentatively Saturday, Sept. /Oct., 2009, 9am-1:30 pm:

The grant from American Association of Anatomists includes sufficient money to send supplies to 10 classrooms, thus limiting the participation.

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