

Whitworth University
Science Equipment Upgrades
Final Report for DE-SC0005090

The funding provided by this grant was used to pay for equipment costs for the new 63,000 sq. ft. Robinson Science Hall which houses the departments of biology, chemistry and health science. The new state of the art science instrumentation enables Whitworth students to develop skills and knowledge that are directly transferable to practical applications enhancing the students' effectiveness in the scientific workforce. The ability to train on state-of-the-art equipment will enhance Whitworth students' ability to contribute to the high tech workforce in the Pacific Northwest.

Whitworth faculty will also utilize the equipment purchase for outreach programs in the area schools. Currently high school students at Riverpoint Academy (Mead School District) spend Friday afternoons at Whitworth in a program entitled "Anatomy and Physiology Fridays" utilizing equipment purchased through this grant. The ability to work with instrumentation that is current helps to make science exciting for middle school and high school students and encourages them to think about a science career.

The following equipment was purchased through this grant:

- Cadaver Dissection Tables with Exhaust Chamber and accessories
- Research Microscope with DF DIC Phase and Fluorescence illumination with DP72 Camera
- Microscope with Fluorescence
- Microcomputer controlled ultracentrifuge and accessories
- Ultracentrifuge rotor
- Variable Temperature steam pressure sterilizer with autoclave tray
- Alliance APLC System with accessories
- DNA Speedvac
- Compact Gel Documentation System for Visible and Fluorescent Dyes with D-transilluminator and software
- BioPac MP150 including software
- Glovebox personal workstation with antechamber, gas purifier and stand
- Lyophilizer, pump accessories
- Nano Drop 2000/2000c Spectrophotometer
- Co2 Incubator