

# FACT SHEET

## Biosciences Facility (BIOS)

### Meeting research and teaching needs

#### NEW CONSTRUCTION: Fairbanks

#### Goals:

- Meet the challenges of the UAF Strategic Plan 2010 by providing required infrastructure for research and academic expansion and consolidating strong, growing programs in adjacent technology-appropriate facilities
- Meet critical space needs in research to attract and retain talented investigators who in turn secure competitive research grants
- Provide modern facilities to ensure that students are prepared for careers in the life sciences
- Ensure appropriate learning and working environments for students and staff and compliance with contemporary accessibility standards



#### Background

To meet UAF's Strategic Plan 2010 goals and maintain high standards of instruction, training and research, UAF must develop modern facilities to accommodate research and teaching needs in the life sciences. This facility will help UAF meet its research potential through collaborative initiatives with business, other research institutions, government agencies and communities. These collaborative efforts will foster the sharing of resources while creating opportunities for expanding programs.

This project represents the final piece of a multiyear programmatic plan to address UAF's critical space needs. There were five priorities: animal care facilities, space for computational sciences, biosciences research, biosciences teaching and the state virology lab. UAF was able to address some priorities, in part, through a 2003 construction bond. The virology lab was addressed separately.

•**West Ridge Research Building**-Built in 2004, and funded at 80 percent by research activity and 20 percent by a general obligation bond, which also funded West Ridge utilidor upgrades

•**Biological Research and Diagnostics Facility**-Built in 2006, accommodates animal care needs and research in infectious diseases

•**Alaska State Public Health Virology Laboratory**-Groundbreaking occurred in 2007, UAF will pay for 5,000 square feet of unfinished space in the basement of the state-owned, state-funded building

•**Biosciences Facility**-The FY09/FY10 capital request completes the much-needed teaching component, to the benefit of students in the life sciences, by providing adequate teaching and research space. If funded, the proposed construction dates are 2009-2013.

#### Project Scope

Once complete, the Biosciences Facility will provide multiuse lab and classroom space for life science research and academic needs. BIOS includes two major components: research and teaching.

The research component will provide nearly 65,000 square feet of biological research lab space and versatile labs to accommodate many scientists.

The teaching component will provide 35,000 square feet of academic classroom and teaching lab space and integrates both research and teaching. Consolidation of research and teaching space eliminates the need for redundant labs, equipment, and support systems. Centralized office space for biology faculty will make it easier for students to access their professors.

Additionally, the project will address parking, new site utilities such as storm and sanitary wastewater collection and extension of the utilidor. Funding will also increase the steam capacity to West Ridge and BIOS by installing new steam piping inside new and existing utilidors. This expansion will provide the required heat source for the new facility and eliminate the need for a satellite heating plant.

The building will be constructed in one phase and one facility to take advantage of lab and faculty office adjacencies. Schematic design development and contractor selection for this project is complete and the site has been selected.

#### Economic Impact

The McDowell Group, Inc. was hired to assess the direct and indirect economic impact as a result of this construction project as it relates to the Fairbanks and Anchorage economies.

The overall direct and indirect impact of a \$105 million construction project in Fairbanks equates to \$174 million in total direct and indirect economic output in Alaska, including \$81 million in labor income, and annual average employment of 385 workers over a four-year construction period. Approximately, 10-15 percent of the total project-related economic activity will flow into Southcentral Alaska, primarily Anchorage.

#### Estimated Construction Costs and Square Footage

<b>FY09 Capital Request</b>	<b>\$66 million</b>
<b>FY10 Capital Request</b>	<b>\$47 million</b>

New construction.....110,000 gross square feet

Visit [www.uaf.edu/bios/](http://www.uaf.edu/bios/) for more information.