UNIVERSITY OF TORONTO

OFFICE OF THE ASSISTANT VICE-PRESIDENT
CAMPUS & FACILITIES PLANNING

FOR INFORMATION:

TO: Planning and Budget Committee

SPONSOR: Elizabeth Sisam, Assistant Vice-President Campus and Facilities Planning

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DATE: January 9 for January 21, 2009

AGENDA ITEM: 9

ITEM IDENTIFICATION:
Project Planning Committee for the Centre for Biological Innovation

JURISDICTIONAL INFORMATION:

Under the Policy on Capital Planning and Capital Projects, section 5.A. the membership and terms of reference of Project Committees shall be reported to the Planning and Budget Committee.

BACKGROUND:

In May 2006, the Planning and Budget Committee received terms of reference for a Project Planning Committee for Biological Sciences. The purpose of the Committee at that time was to recommend a comprehensive space plan that would accommodate two new departments: Cell and Systems Biology and, Ecology and Evolutionary Biology created through reorganization of the Departments of Botany and Zoology (located in the Earth Science Centre and the Ramsay Wright building) earlier that year. In reviewing the feasibility of required renovations to existing space it became apparent that the result would not be economically viable. Consequently, the construction of new facilities together with renovations to existing space is considered to be a better approach.

The current accommodations for research and training in the biosciences on the St. George Campus are technologically outdated and inadequate in space. A new biosciences research facility and a revitalized life sciences teaching complex to advance interdisciplinarity and collaboration in teaching, training, and research is now being considered as the most viable solution . The new and renewed facilities will form a state-of–the-art Centre for Biological Innovation, a hub for state-of-the-art research and education, linking basic biological discovery to the development of important economic applications and further developing the bioeconomy.

This project will include a new building to house the Centre for Biological Innovation, and renovation of two existing buildings, Earth Sciences Centre and Ramsay Wright Building. The new Centre for Biological Innovation will provide modern labs designed to promote interdisciplinarity and collaborative research. It will accommodate Cell & Systems

Biology researchers, the Centre for Analysis of Genome Evolution & Function, the proposed Bioproducts Genome Institute, state of the art imaging, genomics and other equipment from ORF and CFI-funded research projects.

The new building will be adjacent to the Earth Sciences Centre, allowing use of the ORF/CFI-funded greenhouses on the rooftop of the Earth Sciences Centre and providing research groups in Ecology and Evolutionary Biology ready access to the Centre for Analysis of Genome Evolution & Function.

The renovated building space, looking after deferred maintenance items in the Ramsay Wright Building, will create consolidated teaching facilities such as teaching labs, tutorial rooms, and classroom space for students in undergraduate biological sciences programs. The renewed space will also provide a new aquatics research facility and will consolidate the Department of Ecology & Evolutionary Biology in the Earth Sciences Centre.

PROPOSED COMMITTEE MEMBERSHIP:

Core Committee

Daphne Goring, Professor and Chair, Department of Cell and Systems Biology (Chair)
Robert Baker, Professor, Vice-Dean Graduate Education and Research, Faculty of Arts and Science
Kacey Prentice, Undergraduate student, Department of Cell and Systems Biology
Patty Brooks, Graduate student, Department of Cell and Systems Biology
Ulrich Tepass, Professor, Associate Chair Research, Department of Cell and Systems Biology
David Guttman, Professor, Director, Centre for Analysis of Genome Evolution and Function
Tamar Mamourian, CAO, Department of Cell and Systems Biology
Adrienne De Francesco, Assistant Dean, Office of Infrastructure and Planning, Faculty of Arts & Science
Julian Binks, Manager, Capital Projects Planning, Real Estate Operations
Bruce Dodds, Director of Utilities and Building Operations, Facilities and Services
Jennifer Adams, Senior Planner, Office of the AVP Campus and Facilities Planning (Secretary)
Gail Milgrom, Managing Director, Office of the AVP Campus and Facilities Planning

Resource Members
The individuals identified below will be invited to contribute to specific aspects of the project:

Vince Tropepe, Professor, Department of Cell and Systems Biology; Aquatic Facilities
Norm White, Director of the BioScience Facility; Animal Care
Bruce Hall, Chief Horticulturalist, Plant Growth Facilities

TERMS OF REFERENCE:

1. Make recommendations for a detailed space program and functional layout for the Biological Sciences.

2. Identify the space program as it is related to the Faculty's existing and approved academic plan; taking into account the impact of approved and proposed program enhancements that are reflected in increasing faculty, student and staff complement. Plan to realize maximum flexibility of space to permit future allocation, as program needs change.

3. Demonstrate that the proposed space program will be consistent with the Council of Ontario Universities' and the University's own space standards.

4. Identify all deferred maintenance and items of infrastructure renewal for the buildings that are to be renovated.

5. Identify all secondary effects, including space reallocations from the existing site, impact on the delivery of academic programs during construction and the possible required relocation as required to implement the plan of existing units.

6. Address campus-wide planning directives as set out in the campus master plan, open space plan, urban design criteria, and site conditions that respond to the broader University community.

7. Identify equipment and moveable furnishings necessary to the project and their estimated cost.

8. Identify all data, networking and communication requirements and their related costs.

9. Identify all security, occupational health and safety and accessibility requirements and their related costs.

10. Identify all costs associated with transition during construction and secondary effects resulting from the realization of this project.

11. Determine a total project cost estimate (TPC) for the capital project including costs of implementation in phases if required, and also identifying all resource costs to the University.

12. Identify all sources of funding for capital and operating costs.

13. Complete report by May, 2009.