



~~Senate Committee on Academic Development~~

Report to Senate – Meeting of April 23, 2009

Proposal to introduce a new program in Cancer Research in the existing Bachelor of

~~Science in the College of Arts and Sciences~~



Senate Budget Review Committee

Report to Senate – April 9, 2009

Proposal to establish a Cancer Research Stream in the Life Sciences Program.

Introduction

On April 9, 2009, the Senate Budget Review Committee (SBRC) met to discuss the Proposal to establish a Cancer Research Stream in the Life Sciences Program.

Analysis and Discussion

All but two of the core and option courses in the proposed Cancer Stream are currently offered. The new courses offered in 4th year are a seminar based course (CANC 497) and a research project course (CANC 499). S. Davey (Department of Pathology & Molecular Medicine, Biochemistry and Oncology) assured the committee that the number of students in the program would be limited to the number of faculty members involved in cancer research at Queen's University available to supervise students in the program. The small TA budget will come from funds within the Life Sciences program.

Conclusions/Recommendation

Members of the committee saw no major resource implications with the proposed program and voted unanimously to at 1

Respectfully submitted,



Queen's
UNIVERSITY

UNIVERSITY SECRETARIAT

Mackintosh-Corry Hall, Room B400
Queen's University
Kingston, Ontario, Canada K7L 3N6
Tel: 613 533-6000

Memo

TO Patrick Deane, Chair, SCAD
Jennifer Medves, Chair SBRC
FROM Georgina Moore, Secretary of the Senate
DATE

SUBJECT Proposed New Program in Life Sciences – Cancer Research Stream

Fax 613 533-2793
www.queensu.ca/secretariat

The attached proposal has been submitted to the Senate by the Faculty of Arts and Science and is referred to SCAD and Budget Review for approval. The proposed new program in **Cancer Research** will be built on the existing Bachelor of Science in Life Sciences Research Stream and was approved by the Faculty of Arts and Science Faculty Board on February 13, 2009.

Please review the proposal and report back to Senate with your committee's recommendation. Professor Scott Davey, Department of Pathology and Molecular Medicine, Biochemistry, Oncology (ext 36973, email sd13@queensu.ca) should be contacted if you have any questions.

Senate Committee on Academic Development
and
Senate Budget Review Committee

LISC
SSP-CANC

approved
09.01.27

Program Approval Submission 2008-09

This form is to be used when seeking approval for all new or substantially

PART A

1. **OBJECTIVES:**

Please summarize the rationale for introducing this program. The program should be consistent with the Queen's mission, the academic plans of the unit including its teaching and research strengths, the relation of the unit with other academic units and the standards, educational goals and learning objectives of the degree. Explain how this program will achieve the expected academic quality. Please

[Redacted content]

3. CURRICULUM:

Provide a detailed description of the proposed program, along with the proposed Curriculum Framework.

[REDACTED]

CISC 333*	Introduction to Data Mining
EPID 301*	Principles of Epidemiology
MICR 360*	Immunology
MICR 436*	Microbial Genetics
MICR 450*	Molecular Virology
MICR 451*	Viral Pathogenesis
MICR 461*	Advanced Immunology

PATH 310*	Pathology and Molecular Medicine
PATH 425*	Human Genetics
PHAR 416*	Xenobiotic Disposition and Toxicology
PHGY 350*	Pathophysiology
PSYC 332*	Health Psychology

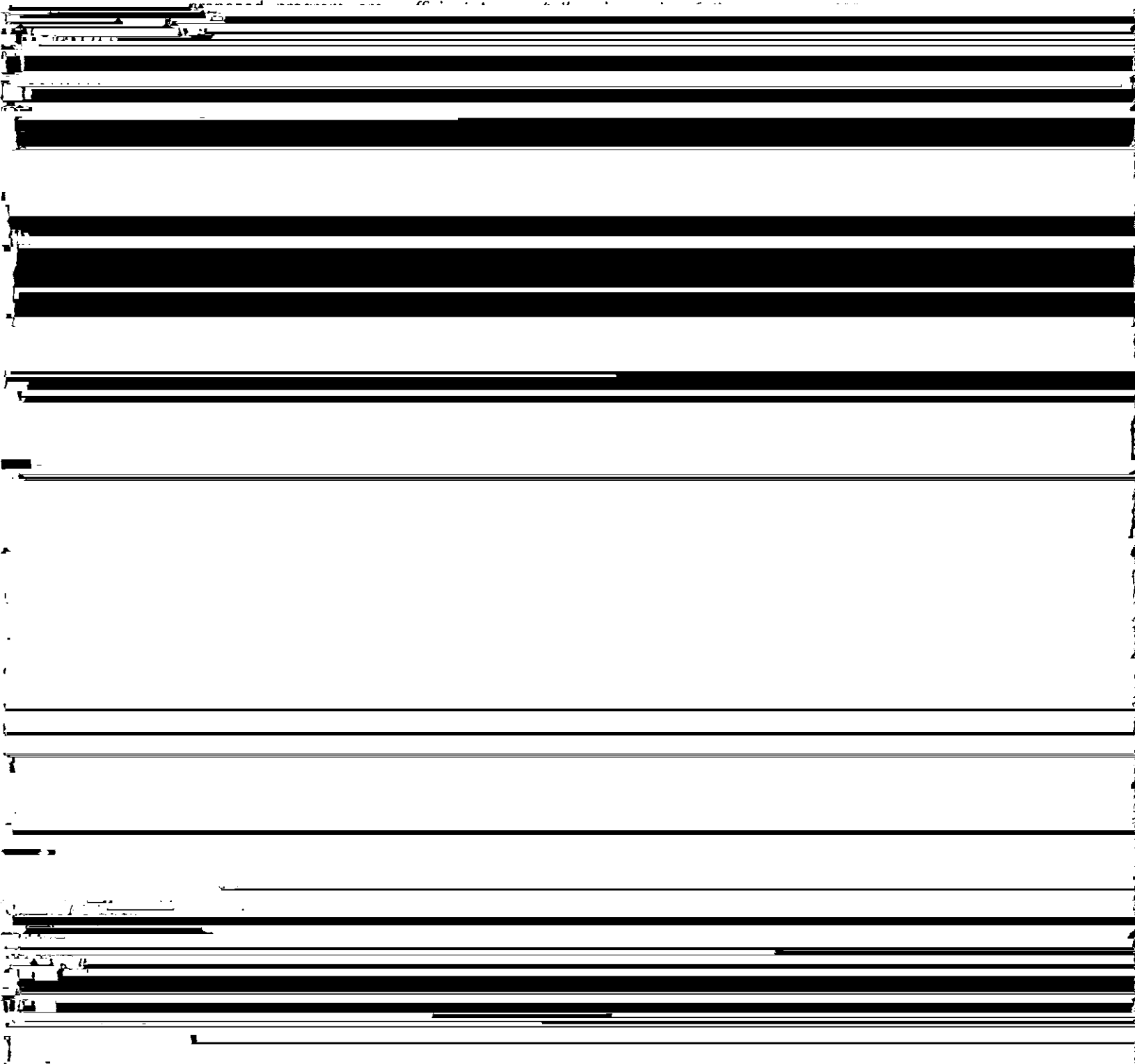
6. **EQUITY:**

This program's planning, development and implementation should be consistent with the equity goals of the University and must avoid direct, indirect and systemic discrimination.

The Life Sciences program and the Cancer Research Institute are committed to ensuring fair treatment of all students without regard to sex, age, sexuality, ethnicity, race or disability.

7. **HUMAN RESOURCES:**

Please demonstrate that the number, quality and academic expertise of the faculty in the area of the



individual laboratories of each supervisor, there is now a proliferation of core facilities that are shared by groups of researchers. These core facilities are developed to be shared among teams of researchers. These core facilities offer unique opportunities for students to participate in multidisciplinary studies in cancer research.

Computer Facilities: Generally, the supervisor will provide appropriate computing facilities for their CANC 499 students with the necessary software, hardware, and Internet connections. These

computer facilities are available in both the research laboratories and the data analysis laboratories for

The proposed CANC stream represents a small change in the courses provided within the LISC program, but is a significant change in how undergraduate education is conducted within the program. Like the NSCI and CRSS streams, the CANC approach will allow undergraduate students to integrate

the overall idea of a generalized Life Sciences Curriculum these research streams represent the logical

f) LIBRARY SERVICES

Please indicate which of following new library resources will be needed:

- audio visual material
- historical documents
- electronic databases
- statistical / geospatial data

Indicate the likelihood of the program having an impact on Library staffing?

None

all

QUEEN'S UNIVERSITY AT KINGSTON

Life Sciences Office
Botterell Hall, Room 111

To: Dr. John Pierce, Associate Dean (Studies), Arts and Science

From: Ken Rose, Associate Dean, Life Sciences

Date: November 13, 2008

Re: Financial Support for Cancer Stream

**Program Approval Submission – Life Sciences-Drug Development and Human
Toxicology Research Stream**

Part B: Library Comments on Resource Implications and Physical Facilities

The Bracken Health Sciences Library (BHSL), housed on two levels in Botterell Hall at
Queen's University, supports the education and research of the Faculty of Health Sciences.

also allow us to explore in a collegial environment, the option and opportunities for integrating these resources and services into teaching, learning and research.

The total area of 31,500 square feet includes seating capacity for 400-500 library users. In 2005, the BHSL's Main Level was completely renovated to create a state-of-the-art interactive learning facility. Circulating laptops and wireless Internet all...

Jo-Anne Brady

From: Jo-Anne Brady [jo-anne.brady@queensu.ca]
Sent: Tuesday, March 03, 2009 12:28 PM
To: 'Sue Blake'

Sue

I have reviewed the program submissions and offer the following comments:

- > we do not anticipate rooming problems for either stream; a process will have to be developed for the DDHT