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**MEMORANDUM**

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**ATTENTION** Senate **DATE** October 8, 2014  
**FROM** Jon Driver, Vice-President, Academic and Provost, and Chair, SCUP **PAGES** 1/1  
**RE:** Faculty of Science: Centre for Cell Biology, Development and Disease (SCUP 14-23)

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At its September 24, 2014 meeting, SCUP reviewed and approved the proposal for the establishment of the Centre for Cell Biology, Development, and Disease (C2D2) as a Centre for a five-year term.

**Motion:**

That Senate approve the proposal for the establishment of the Centre for Cell Biology, Development, and Disease (C2D2) as a Centre for a five-year term.

c: M. Silverman  
M. Leroux

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**MEMORANDUM**


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**ATTENTION** Susan Rhodes, Secretary  
Senate Committee on University Planning  
(SCUP) **DATE** August 6, 2014

**FROM** Norbert H. Haunerland **PAGES** 1/1

**RE:** Centre for Cell Biology, Development and Disease (C2D2)

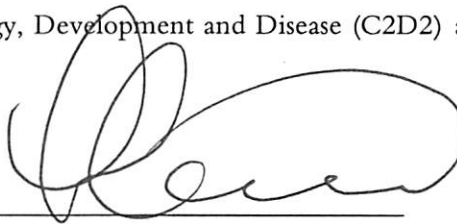
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Attached is a proposal from Dr. Michael Silverman, Department of Biological Sciences and Dr. Michel Leroux, Department of Molecular Biology and Biochemistry for the establishment of the Centre for Cell Biology, Development, and Disease (C2D2).

I recommend approval as a research Centre according to Policy 40.01. Once approved by SCUP the proposal should be sent to Senate and the Board of Governors for information.

**Motion:**

That SCUP approves the Centre for Cell Biology, Development and Disease (C2D2) as a Centre for a 5 year term.




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Dr. Norbert Haunerland  
Associate Vice-President, Research

**Attachment**

**C:** E. Elle, Chair Biological Sciences  
L. Quarmby, Chair, Molecular Biology and Biochemistry  
M. Leroux, Molecular Biology and Biochemistry  
M. Silverman, Biological Sciences

Received by

AUG 01 2014

Vice President Research Office



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**MEMORANDUM**

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**ATTENTION** Norbert Haunerland, Associate Vice-  
President, Research **DATE** July 15, 2014

**FROM** Claire Cupples, Dean, Faculty of Science **PAGES** 1

**RE:** Centre for Cell Biology, Development and Disease

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It is a pleasure to support the formation of the Center for Cell Biology, Development and Disease (C2D2), as a Research Centre under Policy R 40.01. Such a Centre has been under discussion among members of the Department of Biological Sciences and the Department of Molecular Biology and Biochemistry, in particular, for some time. I believe that the Centre will provide an opportunity for faculty members in multiple departments in the Faculty of Science to collaborate on research and graduate student training; it will also raise the profile of this type of research at SFU. Furthermore, I believe that C2D2 will align well with projects, currently underway, to align and harmonize curricula among the three life science departments.

  
\_\_\_\_\_  
Claire Cupples

Cc: E. Elle, Chair, Biological Sciences  
L. Quarmby, Chair, Molecular Biology and Biochemistry  
M. Leroux, Molecular Biology and Biochemistry  
M. Silverman, Biological Sciences

June 30<sup>th</sup>, 2014

Dear Dr. Cupples,

For your consideration, please accept our attached proposal for the formation of the Centre for Cell Biology, Development, and Disease (C2D2).

C2D2 is a collaborative endeavour established within the Faculty of Science that includes the Departments of Biological Science, Biomedical Physiology and Kinesiology, Chemistry, Molecular Biology and Biochemistry, and Physics. The proposed Centre is geared towards establishing greater cohesion and visibility for researchers whose focus is on cell and developmental mechanisms of human, animal, and plant diseases. The research interests of the Centre perfectly complement those of other SFU scientists in the area of bioinformatics, genetics, genomics, and biochemistry. Furthermore, C2D2 aligns with and promotes one of the central pillars of the SFU Strategic Research Plan: Health and Biomedical Sciences. C2D2 also strives to capture the SFU motto of *Student Centered, Research Driven, and Community Engaged*, by focusing on student research opportunities, research collaborations, and ultimately outreach to the greater research and lay communities in the Lower Mainland.

With your approval, C2D2 will initially be co-directed by Michel Leroux, PhD, Professor in the Department of Molecular Biology and Biochemistry and myself.

Please feel free to contact us for any further information.

Sincerely,



Michael A. Silverman



Michel Leroux

**Charter**  
**The Centre for Cell Biology, Development, and Disease**

A collaborative venture established within the Faculty of Science including the  
Departments of Biological Science, Biomedical Physiology and Kinesiology,  
Chemistry, Molecular Biology and Biochemistry, and Physics

June, 2014

**1. Purpose**

1.1 The Centre for Cell Biology, Development, and Disease (C2D2) is an interdisciplinary research unit, whose goal is to promote cell and developmental biology research and education as it relates to health and disease. Our members are broadly interdisciplinary with research areas including cell and developmental biology of plants and animals, host-pathogen interactions, microbiology, molecular physiology, neurobiology, and toxicology.

1.2 The Centre is affiliated with the Faculty of Science at Simon Fraser University and conducts its activities in such a way as to enhance the reputation and the programs of the Faculty and University.

1.3 C2D2 has four major functions:

1) Foster interactions and collaborations:

The primary goal is to foster interactions among its members to enhance the intellectual climate of the University to the benefit of faculty, trainees, and other associated members. This will be achieved by facilitating collaborative research projects, joint grant applications, co-supervision of trainees, an active seminar series, and an up-to-date web page with C2D2 events and member accomplishments.

2) Help coordinate acquisition of infrastructure:

With the recent shift in federal funding to support large, multi-user facilities and/or projects, it is to the advantage of individual PIs to coordinate the submission of applications for major research infrastructure. C2D2 will actively pursue new opportunities to benefit its research.

3) Provide a focus and support for faculty hiring in cell and developmental biology.

4) Create and support educational opportunities at the undergraduate and graduate level:

C2D2 will create educational opportunities including, but not limited to an active seminar series, hosting an annual research day for members and trainees, and coordinating courses at all levels to facilitate optimal offerings.

## **2. Governance**

2.1 C2D2 is constituted as a research Centre at Simon Fraser University under the terms of SFU Policy R 40.01, comes under the direct authority of the Dean of Science and conducts its affairs in accordance with all other University policies. The term of the Centre is five years as per SFU Policy R 40.01.

2.2 In accordance with University requirements, an annual report on the Centre's activities and financial status from April 1 to March 31, including the current membership of the Centre will be submitted to the Dean of Science by June 30th of each year.

2.3 Membership will include individuals who identify with research themes of C2D2. Candidate members will be asked to submit a brief cover letter to the Centre director(s) describing their research and interest in joining the Centre. This will be reviewed by the directors(s) and voted on by C2D2 members.

*A preliminary membership is listed below.*

2.4 The director of the Centre is an SFU faculty member elected by C2D2 and appointed by the Dean of Science. The Dean's office will send out a call for nominations to C2D2 members and then run the election/ratification. To maintain continuity among the directorship, upon formation C2D2 will have two co-directors serving three- and four-year terms. Subsequently, each new director will serve a three-year term with a one-year overlap with the previous director.

2.4 The Director's tasks include the following responsibilities, which he/she may delegate but not abrogate:

Chairing the Steering Committee;

Overseeing the Centre's finances;

Recruiting members;

Preparing the annual report to the Dean of Science.

### **3. Funding:**

3.1 C2D2's formation does not require any financial support. However, maintaining an active Centre will require funds to support seminar speakers and research days, for example, and we anticipate that C2D2 will apply for funds for such events through the participating Departments, the Dean of Science, the University, and potentially corporate sponsors.

### **4. Charter membership list**

#### Biological Sciences

Sherryl Bisgrove  
Julian Guttman  
Harald Hutter  
Allison Kermode  
Carl Lowenberger  
Margo Moore  
Zamir Punja  
Gordon Rintoul  
Michael Silverman

#### Biomedical Physiology and Kinesiology

Charles Krieger  
Damon Poburko  
Peter Ruben  
Glen Tibbits  
Amandio Vieira

#### Chemistry

Bingyun Sun  
David Vocadlo

#### Physics

Nancy Forde

#### Molecular Biology and Biochemistry

Christopher Beh  
Jonathon Choy  
Sharon Gorski  
Nick Harden  
Nancy Hawkins  
Michel Leroux  
Lynne Quarmby  
Esther Verheyen





# Library Course Assessments

The Library participates in the course approval process for new courses at both the undergraduate and graduate levels. By Senate motion (S.93-11) "no new course should be approved by Senate until funding has been committed for necessary library materials." A Library review should be conducted after new course proposals have been approved by the department or school curriculum committee, before being considered by the Faculty curriculum committee. New courses will not be approved at the Senate Committee on Undergraduate Studies (SCUS) or Senate Graduate Studies Committee (SGSC) until a Library review has been completed. Even if the department states that no new library resources are required, a report from the Library is required to confirm this view.

To submit course proposals for review by the Library, forward the following materials to Megan Crouch @ [lib-courseassessment@sfu.ca](mailto:lib-courseassessment@sfu.ca).

- course proposal forms
- complete course outline
- reading list created for the course, if any
- date of Faculty curriculum committee meeting (or other deadline for library report)

Please send the above materials at least two weeks prior to your deadline.

An assessment will be done to evaluate whether the Library's holdings and present collection development activities are adequate to support the new course. If no new library resources are required, the course will be added to the appropriate list below indicating the library is adequately resourced to support the course.

If additional library resources are required, a full report will be created and linked below, and the associated costs will be identified. The costs may be one-time, to fill gaps in holdings, or ongoing, for example, to start new journal subscriptions, or sustain book collecting in areas not now included in the Library's collection scope. If costs are attached, the department or school is asked to transfer the required funds to the Library's materials budget. Questions about the process can be directed to Megan Crouch @ [lib-courseassessment@sfu.ca](mailto:lib-courseassessment@sfu.ca).



## No additional Library resources required

Unless otherwise indicated, these courses require no additional library resources based on a course location of SFU Burnaby. In many cases, if the courses were to be offered at SFU Surrey or Vancouver or as off-campus courses, additional Library costs might be involved. Please contact Megan Crouch @ [lib-courseassessment@sfu.ca](mailto:lib-courseassessment@sfu.ca) for details.

Centre for Cell Biology, Development, and Disease (C2D2)

Chronic Pain Research Institute

Graduate Certificate in Curriculum and Instruction: Teaching Greek as an Additional Language



Institute for Performance Studies

SFU-JLU Joint Centre for Bioarchaeological Research (JCBR)

BPK 458 (KIN 458), 482

BUS 656, 719, 723, 724, 725, 726, 729, 790, 791, 792, 793, 794, 795, 796, 797, 875, 880

CHEM 123, 124

CMPT 731, 732

ECO 611, 621, 622, 641 (new courses for the proposed Master of Science in Ecological Restoration.)

ECON 899

EDUC 836

ENSC 120,180, 405W

ENV 400

FNLG 133, 134, 200, 233, 234

FNST 206

FPA 105

FREN 345

GSWS 825

HIST 463, 476, [358 / IS 358]

HSCI 843

KIN 482 (BPK 482)

MBB 700

MSE 405, 884

PHYS 822

PUB 877

URB 647



## **Completed Library course assessments**



### **Senate Approved Library Course Assessments**

**Senate document numbers appear in brackets where available, e.g. (S.11-7)**

