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MEMORANDUM

ATTENTION	Senate	DATE	October 13, 2020
FROM	Jon Driver, Vice-President, Academic and Provost <i>pro tem</i> , and Chair, SCUP	PAGES	1 of 1
RE:	Faculty of Science: Program Changes to Molecular Biology and Biochemistry MSc and PhD (Addition of TRAIN) (SCUP 20-42)		

At its October 7th, 2020 meeting, SCUP reviewed and approved the addition of the Optional Specialization in Translational and Integrative Neuroscience (TRAIN) to the Molecular Biology and Biochemistry Master of Science and Doctor of Philosophy in the Department of Molecular Biology and Biochemistry within the Faculty of Science.

Motion

That Senate approve and recommend to the Board of Governors the addition of the Optional Specialization in Translational and Integrative Neuroscience (TRAIN) to the Molecular Biology and Biochemistry Master of Science and Doctor of Philosophy in the Department of Molecular Biology and Biochemistry within the Faculty of Science, effective Summer 2021.

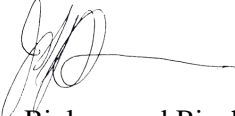
C: D. Marigold and M. Silverman

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MEMORANDUM

ATTENTION Senate Committee on University Priorities (SCUP) **DATE** September 25, 2020
FROM Jeff Derksen,
Chair of Senate Graduate Studies
Committee (SGSC) 
RE: Program Changes (Calendar Revisions for TRAIN): Molecular Biology and Biochemistry
MSc and PhD

For approval:

At its meeting of September 8, 2020, SGSC approved the addition of the Optional Specialization in Translational and Integrative Neuroscience (TRAIN) to the Molecular Biology and Biochemistry Master of Science and Doctor of Philosophy in the Department of Molecular Biology and Biochemistry and is recommending it to SCUP for approval, effective **Summer 2021**.

Motion:

That SCUP approve and recommend to Senate the addition of the Optional Specialization in Translational and Integrative Neuroscience (TRAIN) to the Molecular Biology and Biochemistry Master of Science and Doctor of Philosophy in the Department of Molecular Biology and Biochemistry.



MEMORANDUM

ATTENTION Senate Graduate Studies Committee **DATE** August 10, 2020
FROM Michael Silverman, Associate Dean of Research and Graduate Studies **PAGES** 1
RE: Calendar Entry for the addition of the Department of Molecular Biology and Biochemistry to the Translational and Integrative Neuroscience (TRAIN) specialization

The following curriculum item has been approved by the Faculty of Science and is forwarded to the Senate Graduate Studies Committee for approval. This item should be effective for **Summer 2021**.

Department of Molecular Biology and Biochemistry (MBB)

- 1) Calendar entry for approval: Addition of MBB (MSc and PhD) to the previously approved Translational and Integrative Neuroscience (TRAIN) specialization. As a point of information, BISC and BPK were approved as participating departments at the initial approval of the specialization. The goal here is to include the third life sciences department, with interests in neuroscience, to this specialization.

Michael Silverman, Ph.D.
Faculty Graduate Chair

Enclosure

cc:



AUGUST 4, 2020

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To: Faculty of Science Graduate Studies Committee
From: Mark Paetzel, Graduate Program Chair, Molecular Biology and Biochemistry
Re: Joining TRAIN graduate specialization
Date: April 8, 2020

I am writing to support the Department of Molecular Biology and Biochemistry (MBB) joining the Translational and Integrative Neuroscience (TRAIN) graduate specialization. This had been approved by the graduate program committee in MBB. The necessary calendar change documents are being submitted through the Faculty of Science Graduate Studies Committee (Michael Silverman, Associate Dean) for approval.

Sincerely,

A handwritten signature in black ink, appearing to read 'Mark Paetzel'.

Mark Paetzel
Professor of Molecular Biology and Biochemistry
Graduate Program Chair, Molecular Biology and Biochemistry

Calendar Entry Change for MBB MSc

Summary of change: Addition of optional specialization in Translational and Integrative Neuroscience (TRAIN)
Rationale for change: TRAIN is a relatively new inter-departmental and inter-faculty specialization in neuroscience that would benefit graduate students in MBB.
Effective term and year: Summer 2021
Will this change impact current students? If yes, what is the plan for current students? No

FROM	TO
<p>[...] Other Information</p> <p>[...]</p> <p>and a thesis</p> <p><u>MBB 898 - MSc Thesis (18)</u></p> <p>A major part of the MSC specialization program will be devoted to original research. A thesis describing the work must be submitted and defended in accordance with SFU Graduate General Regulations.</p> <p>*Note: Any relevant special topics course from any department may be included upon permission of the IOGS steering committee. Oncology related courses at other institutions may also be used to satisfy the elective requirement. Please consult with the IOGS steering committee for queries regarding course eligibility.</p>	<p>[...] Other Information</p> <p>[...]</p> <p>and a thesis</p> <p><u>MBB 898 - MSc Thesis (18)</u></p> <p>A major part of the MSC specialization program will be devoted to original research. A thesis describing the work must be submitted and defended in accordance with SFU Graduate General Regulations.</p> <p>*Note: Any relevant special topics course from any department may be included upon permission of the IOGS steering committee. Oncology related courses at other institutions may also be used to satisfy the elective requirement. Please consult with the IOGS steering committee for queries regarding course eligibility.</p> <p>Optional Specialization in Translational and Integrative Neuroscience (TRAIN)</p> <p>Application to TRAIN is through the TRAIN steering committee. Students must fulfill all Departmental requirements for the MSc.</p> <p>To receive TRAIN specialization, students must complete both NEUR courses with a grade of B+ or higher. These courses can be taken as part of</p>

graduate elective course requirements for this program.

Students must complete all of
NEUR 800 – Foundations of Cellular and
Molecular Neuroscience (3)
NEUR 801 – Foundations of Systems
Neuroscience (3)

and participate in at least *two* TRAIN workshops
over the course of their degree
NEUR 802 – Translational and Integrative
Neuroscience Workshop (0)*

*** Workshops will normally be offered**
approximately once per term and will be
approximately 3 hours in duration.

For more information on TRAIN, please see:
[Translational and Integrative Neuroscience](#)
[...]

Calendar Entry Change for MBB PhD

Summary of change: Addition of optional specialization in Translational and Integrative Neuroscience (TRAIN)
Rationale for change: TRAIN is a relatively new inter-departmental and inter-faculty specialization in neuroscience that would benefit graduate students in MBB.
Effective term and year: Summer 2021
Will this change impact current students? If yes, what is the plan for current students? No

FROM	TO
<p>[...] Other Information</p> <p>[...]</p> <p>and a thesis</p> <p>MBB 899 - PhD Thesis (6)</p> <p>*Any relevant special topics course from any department may be included upon permission of the IOGS steering committee. Oncology related courses at other institutions may also be used to satisfy the elective requirement. Please consult with the IOGS steering committee for queries regarding course eligibility.</p> <p>** Must be taken no later than the 5th term of program enrollment.</p>	<p>[...] Other Information</p> <p>[...]</p> <p>and a thesis</p> <p>MBB 899 - PhD Thesis (6)</p> <p>*Any relevant special topics course from any department may be included upon permission of the IOGS steering committee. Oncology related courses at other institutions may also be used to satisfy the elective requirement. Please consult with the IOGS steering committee for queries regarding course eligibility.</p> <p>** Must be taken no later than the 5th term of program enrollment.</p> <p>Optional Specialization in Translational and Integrative Neuroscience (TRAIN)</p> <p>Application to TRAIN is through the TRAIN steering committee. Students must fulfill all Departmental requirements for the PhD.</p> <p>To receive TRAIN specialization, students must complete both NEUR courses with a grade of B+ or higher. These courses can replace only graduate elective course requirements for this program.</p> <p>Students must complete all of</p>

NEUR 800 – Foundations of Cellular and Molecular Neuroscience (3)

NEUR 801 – Foundations of Systems Neuroscience (3)

and participate in at least *four* TRAIN workshops over the course of their degree
NEUR 802 – Translational and Integrative Neuroscience Workshop (0)*

*** Workshops will normally be offered approximately once per term and will be approximately 3 hours in duration.**

For more information on TRAIN, please see:
[Translational and Integrative Neuroscience](#)
[...]