



The John Knoblock
Faculty Senate Office
Ashe Administration Building, #325
1252 Memorial Drive
Coral Gables, FL 33146

facsen@miami.edu
web site: www.miami.edu/fs
P: 305-284-3721
F: 305-284-5515

MEMORANDUM

To: Julio Frenk
University President

From: Tomás A. Salerno
Chair, Faculty Senate

Date: March 23, 2017

Subject: Faculty Senate Legislation #2016-46(B) –Establish a University-wide Frost Institutes for Science and Engineering at the University of Miami

The Faculty Senate, at its March 22, 2017 meeting, voted unanimously to approve the proposal to establish the University-wide Frost Institutes for Science and Engineering at the University of Miami. As noted in the proposal, the creation of this Institute as an umbrella structure will serve as the central organization responsible for the management and coordination of activities between the institutes, facilitating the creation of synergies, and avoiding duplication of efforts and undue competition among institutes.

This is created due to the generous gift from Dr. Phillip and Patricia Frost.

This legislation is now forwarded to you for your action.

TAS/rh

Enclosure

cc: Thomas LeBlanc, Executive Vice President and Provost
Leonidas Bachas, Dean, College of Arts and Sciences
Angel Kaifer, Sr. Associate Dean, Research and Graduate Education, College of Arts and Sciences

CAPSULE: Faculty Senate Legislation #2016-46(B) –Establish a University-wide Frost Institutes for Science and Engineering at the University of Miami

PRESIDENT'S RESPONSE

APPROVED: 
(President's Signature)

DATE: 4/10/17

OFFICE OR INDIVIDUAL TO IMPLEMENT: Provost Thomas LeBlanc

EFFECTIVE DATE OF LEGISLATION: IMMEDIATELY
(if other than June 1 next following)

NOT APPROVED AND REFERRED TO: _____

REMARKS (IF NOT APPROVED): _____

Frost Institutes for Science and Engineering at the University of Miami

The Frost Institute of Chemistry and Molecular Sciences is conceived as the first one in a series of new institutes that will be established in the near future, with the key goal of elevating the overall quality and research visibility of all the STEM disciplines. The organizational model of institutes, as structures to foster inter-disciplinary research, orthogonal to the departments, which are the more traditional homes for disciplinary research, teaching and faculty governance, is not unique to the University of Miami. However, the University recognizes that coordination between the institutes is extremely important to create synergies, avoid duplication of efforts and undue competition among institutes. Therefore, the creation of an umbrella structure, to manage and coordinate the creation and the activities of the new institutes seems a necessary and wise step. We propose the creation of the Frost Institutes of Science and Engineering (FuSE) as the central organization responsible for the oversight and coordination of the new institutes.

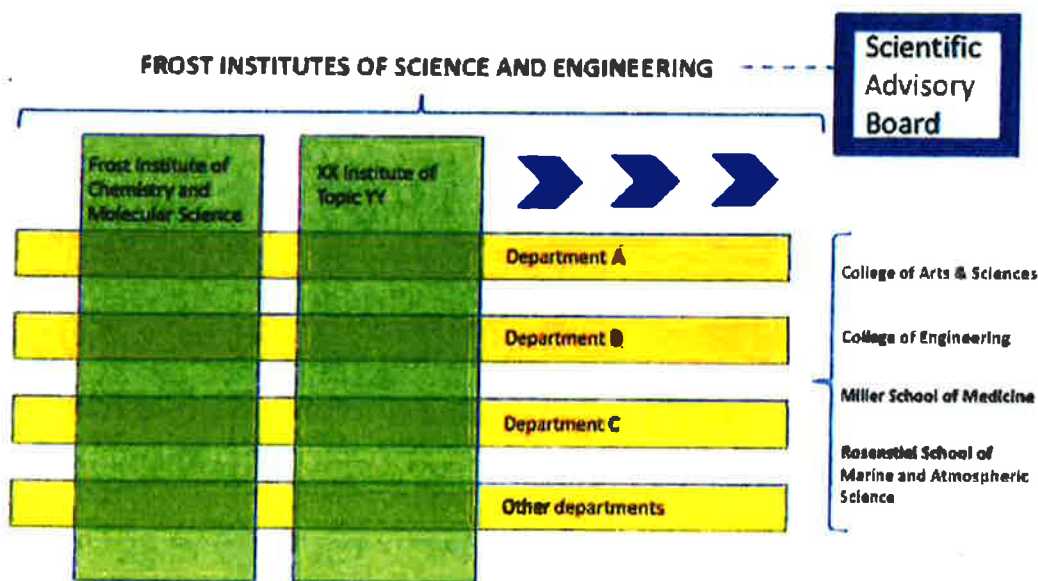


Figure. Schematic representation of the interplay between departments and institutes under the Frost Institutes umbrella.



Office of the Dean

1252 Memorial Drive
Ashe Building, Suite 227
Coral Gables, Florida 33146

Phone: 305-284-4117
Fax: 305-284-5637
as.miami.edu

MEMORANDUM

TO: Tomas Salerno
Chair, Faculty Senate

FROM: Leonidas Bachas
Dean

A handwritten signature in black ink, appearing to read 'L. Bachas'.

SUBJECT: Proposal for the Frost Institute of Chemistry and Molecular Science

DATE: January 6, 2017

At the meeting of the College faculty of Tuesday, November 29, 2016, the faculty voted in favor of the proposal for the Frost Institute of Chemistry and Molecular Science as well as the overall concept of the Frost Institutes of Science and Engineering. (proposals attached). There were two oppositions/abstentions from an attendance of 54 faculty members.

I trust that the Senate will add its support and approve this proposal. I am available should you have any questions or require additional information.

Thank you.



November 14, 2016

Dear Leonidas,

The chemistry faculty formally and unanimously approved the proposal to establish the Frost Institute of Chemistry and Molecular Science. Also, I already discussed with my colleagues the proposal of the Frost Institutes for Science and Engineering, and they support it unanimously. The faculty and I endorse with enthusiasm the concept of Frost Institutes for Science and Engineering.

Sincerely Yours,

A handwritten signature in blue ink that reads "Roger M. Leblanc".

Roger M. Leblanc

Professor and Chair



Department of Computer Science

POSTAL ADDRESS
P.O. Box 248154
Coral Gables
Florida 33124
USA

TELEPHONE
+1 305 2842158
+1 305 2842288

FACSIMILE
+1 305 2842284

EMAIL
geoff@cs.miami.edu

January 13, 2017

**Re: The Frost Institutes of Science and Engineering, and
The Frost Institute of Chemistry and Molecular Science**

Dean Bachas,

The faculty of the Department of Computer Science, and particularly myself as chair, are fully supportive of the Frost Institutes of Science and Engineering, and specifically the Frost Institute of Chemistry and Molecular Science. We can see that some of the Computer Science faculty will be able to contribute as members of the FICMS.

Best regards,

A handwritten signature in blue ink, appearing to read "Geoff Sutcliffe".

Geoff Sutcliffe
Professor and Chair of Computer Science

**UNIVERSITY
OF MIAMI**
DEPARTMENT of PSYCHOLOGY



P.O. Box 248185
Coral Gables, Florida 33124-0751

Ph: 305-284-2814
Fax: 305-284-3402

November 9, 2016

Leonidas Bachas, Ph.D.
Dean, College of Arts and Sciences
University of Miami
Coral Gables, FL 33124

Dear Leonidas,

On behalf of the Psychology Department, I want to express the faculty's support for the proposed *Frost Institutes for Science and Engineering*. In addition, the Department would also like to endorse the creation of the first of these Frost Institutes, the *Frost Institute of Chemistry and Molecular Science*. This would be a major step forward for STEM disciplines within the College of Arts and Sciences, and would help to integrate College STEM research and training with other science units at the university.

Please let me know if there is anything that I can do to help with this effort.

Sincerely,

Philip M. McCabe, Ph.D.
Professor and Chairman
Department of Psychology
University of Miami

Athula H. Wikramanayake, PhD
Professor and Chair
Department of Biology
215 Cox Science Center
1301 Memorial Drive
Coral Gables, Florida 33124-0421
Ph. 305-284-3988
athula@miami.edu

UNIVERSITY
OF MIAMI



January 17, 2017

Dr. Tom LeBlanc
Provost and Executive Vice President
University of Miami

Dear Provost LeBlanc,

As the Chair of the Department of Biology, I am writing to indicate that I support the establishment of the proposed Frost Institute of Chemistry and Molecular Sciences (FICMS) under the umbrella of the Frost Institutes for Science and Engineering at the University of Miami. The faculty in the Department of Biology also unanimously support this initiative. The FICMS will significantly enhance the research infrastructure on the Coral Gables campus and as such will benefit all the science departments on this campus. It is our expectation that the FICMS will serve to further enhance the existing collaborations between the Department of Chemistry and the Department of Biology and lead to exciting research breakthroughs that will advance the goals of the Institute. The Department of Biology is ready and willing to provide our full support to ensure the success of the FICMS.

Sincerely,

Athula Wikramanayake, PhD



MEMORANDUM

TO: Leonidas Bachas, Dean
College of Arts and Sciences

FROM: Robert Stephen Cantrell, Chair
Department of Mathematics *RSC*

DATE: January 17, 2017

REF: Mathematics Department Support for Frost Institutes/FICMS

This memorandum is to express the strong support of the Department of Mathematics for the overall concept of the Frost Institutes of Science and Engineering as a means of enhancing concentration and focus on STEM disciplines on the Coral Gables campus and for the approval of the first of these institutes, the Frost Institute of Chemistry and Molecular Science (FICMS). We believe FICMS will serve as a vehicle that will result in considerable scientific progress and a significant enhancement of the reputation of the Department of Chemistry at the University of Miami that is very beneficial not only to the College but also to the University as a whole. We look forward to the creation of additional institutes as the STEM@UM Initiative progresses.

**UNIVERSITY
OF MIAMI**



DEPARTMENT OF PHYSICS

P.O. Box 248046

Coral Gables, FL 33124-0530

Ph: 305 284-7123

Fax: 305 284-4222

cohn@physics.miami.edu

To: Leonidas Bachas, Dean
College of Arts and Sciences

From: Joshua Cohn, Chair
Department of Physics

Date: January 18, 2017

Re: Frost Institutes

With the strong support of my faculty, I am writing to convey my department's endorsement for the establishment of the Frost Institutes for Science and Engineering, and for the establishment of the first such institute, the Frost Institute of Chemistry and Molecular Science. We are enthusiastic about the initial investments in science and engineering at UM that these initiatives entail, and look forward to supporting the research and educational mission of the Institutes through mutual collaboration.

UNIVERSITY OF MIAMI
COLLEGE of ENGINEERING



Jean-Pierre Bardet, Ph.D.
Dean and Professor

1251 Memorial Drive
MEB Room 255
Coral Gables, FL 33146

Ph: 305-284-6035
Fax: 305-284-2885
bardet@miami.edu

MEMORANDUM

DATE: January 6, 2017

TO: Tomas Salerno, M.D.
Chair, Faculty Senate

FROM: Jean-Pierre Bardet
Dean

SUBJECT: Proposal for the Frost Institute of Chemistry and Molecular Science

At the meeting of the College faculty of Monday, December 12, 2016, the faculty voted in favor of the proposal for the Frost Institute of Chemistry and Molecular Science. (copy attached). There was one abstention from an attendance of 37 faculty members.

I trust that the Senate will add its support and approve this proposal. I am available should you have any questions or require additional information.

Thank you.



Antonio Nanni, PhD, PE 1251 Memorial Drive Ph: 305-284-3461
Professor & Chair MEB Room 325 Fax: 305-284-3492
Civil, Arch. & Env. Engineering Coral Gables, FL 33146 nanni@miami.edu

MEMORANDUM

DATE: January 14, 2017

TO: Tomas Salerno, M.D.
Chair, Faculty Senate

FROM: Antonio Nanni, Chair *Antonio Nanni*
Dept. of Civil, Architectural and Environmental Engineering

SUBJECT: Support Letter – Establishment of the Frost Institutes of Science and Engineering.

The faculty of the Department of Civil, Architectural and Environmental Engineering and I approve and endorse the establishment of the Frost Institutes of Science and Engineering as the central organization responsible for the oversight and coordination of the new institutes.

Best regards

UNIVERSITY OF MIAMI
COLLEGE of ENGINEERING



Weiyong Gu, Ph.D.
Professor and Chair
Mechanical & Aerospace Engineering
Professor of Biomedical Engineering

1251 Memorial Drive Ph: 305-284-8553
MEB Room 205 Fax: 305-284-2580
Coral Gables, FL 33146 wgu@miami.edu

MEMORANDUM

DATE: January 16, 2017

TO: Tomas Salerno, M.D.
Chair, Faculty Senate

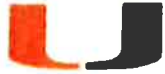
FROM: Weiyong Gu, Chair *W. G.*
Dept. of Mechanical and Aerospace Engineering

SUBJECT: Support Letter – Establishment of the Frost Institute of Chemistry and Molecular Science and the Frost Institutes of Science and Engineering.

The faculty of the Department of Mechanical and Aerospace Engineering and I approve and endorse the establishment of the Frost Institute of Chemistry and Molecular Science and the Frost Institutes of Science and Engineering.

Thank you.

UNIVERSITY OF MIAMI
COLLEGE of ENGINEERING



Office of the Associate Dean
P.O. Box 248294
Coral Gables, FL 33124-0620

Phone: (305) 284-2408
Fax: (305)284-4792
E-Mail: sasfour@miami.edu

MEMORANDUM

DATE: January 15, 2017

TO: Tomas Salerno, M.D.
Chair, Faculty Senate

FROM: Shihab Asfour, Ph.D.
Chair, Department of Industrial Engineering

SUBJECT: Support Letter – Establishment of the Frost Institute of Chemistry and Molecular Science and the Frost Institutes of Science and Engineering.

The faculty of the Department of Industrial Engineering and I approve and endorse the establishment of the Frost Institute of Chemistry and Molecular Science and the Frost Institutes of Science and Engineering.

Thank you.

Sincerely,

A handwritten signature in blue ink that reads "Shihab Asfour". The signature is written in a cursive style and is underlined with a long horizontal stroke.

Dr. Shihab Asfour, Associate Dean of Engineering
Professor & Chairman
Department of Industrial Engineering
University of Miami

UNIVERSITY OF MIAMI

COLLEGE of ENGINEERING



Dept. of Biomedical Engineering
P.O. Box 248294
Coral Gables, FL 33124-0621

Phone: 305-284-2445
Fax: 305-284-6494

DATE: January 12, 2017
TO: Tomas Salerno, M.D.
Chair, Faculty Senate
FROM: Ozcan Ozdamar, Chair
Dept. of Biomedical Engineering

SUBJECT: Support Letter – Establishment of the Frost Institute of Chemistry and Molecular Science and the Frost Institutes of Science and Engineering.

MEMORANDUM

The faculty of the Department of Biomedical Engineering and I approve and endorse the establishment of the Frost Institute of Chemistry and Molecular Science and the Frost Institutes of Science and Engineering.

Thank you.

MEMORANDUM

DATE: January 12, 2017

TO: Tomas Salerno, M.D.
Chair, Faculty Senate

FROM: Mohamed Abdel-Mottaleb, Chair *MA*
Dept. of Electrical and Computer Engineering

SUBJECT: Support Letter - Establishment of the Frost Institute of Chemistry and Molecular Science and the Frost Institutes of Science and Engineering.

The faculty of the Department of Electrical and Computer Engineering and I approve and endorse the establishment of the Frost Institute of Chemistry and Molecular Science and the Frost Institutes of Science and Engineering.

Thank you.

February 16, 2017

Tomas Salerno, M.D.
Chair, Faculty Senate
University of Miami
Ashe Building, Suite #325
252 Memorial Drive
Coral Gables, FL 33146

Re: Council Approved the Frost Institutes of Science and Engineering along with the Frost Institute of Chemistry and Molecular Science at the University of Miami."

Dear Dr. Tomas Salerno,

This is to inform the Faculty Senate that the Medical School Faculty Council met on February 15th, 2017 to approve the **Frost Institutes of Science and Engineering along with the Frost Institute of Chemistry and Molecular Science at the University of Miami.**"

The council members voted to *approve* the proposals.

Respectfully submitted,



Carl Schulman, M.D., M.S.P.H., Ph.D.
Speaker, Medical Faculty Council

Freyre, Maria Betty

From: Minnett, Peter J
Int: Monday, January 16, 2017 7:58 PM
To: Freyre, Maria Betty
Subject: Re: Proposals for the establishment of the Frost Institutes

Dear Betty,

On Friday, January 13, the RSMAS School Council discussed the proposal for the establishment of the Frost Institute of Chemistry and Molecular Sciences. After discussion, a vote was cast and the School Council voted to support the proposal as presented, with one abstention.

The RSMAS School Council welcomes the opportunity of RSMAS faculty to be involved in improving the STEM activities at the University of Miami and looks forward to making significant contributions in the future. The School Council discussions included concern about the absence of an educational component in the proposal, and regretted that the compressed timetable of the proposal submission resulted in the lack of opportunity to discuss the philosophy and details with RSMAS faculty, and with the proposers.

The RSMAS School Council wishes success to all those involved in setting up and operating this Institute and others enabled by the generous gift of Dr Philip and Patricia Frost.

Sincerely,

Peter

Peter J. Minnett
Professor, Department of Ocean Sciences
Speaker, RSMAS School Council.
Rosenstiel School of Marine and Atmospheric Science
University of Miami
4600 Rickenbacker Causeway
Miami, FL 33149-1031, USA

Tel: +1 (305) 421-4104 Fax: +1 (305) 421-4696
email: pminnett@rsmas.miami.edu
<http://www.rsmas.miami.edu/people/faculty-index/?p=peter-minnett>

On 1/10/2017 10:05 PM, Freyre, Maria Betty wrote:

Dear Dr. Minnett,

If you could put it on the agenda for Friday's meeting, that would be great.

We appreciate your assistance!

The attached proposals for the establishment of the Frost Institutes must be presented to the RSMAS school council for approval before they can be brought before the General Welfare Committee of the Faculty Senate. On behalf of Dr. LeBlanc, I ask if you would be willing to seek approval of the school council members, via email, for the establishment of the same. This is a time sensitive issue, and we request your assistance at your earliest convenience.

Thank you!

Betty

Maria Betty Freyre
Sr. Manager, Business Operations
Office of the Executive Vice President and Provost
Ashe Bldg., Suite #240
Phone: 305-284-6318
Fax: 305-284-6758
Email: m.freyre@miami.edu



**At the U, we transform lives
through teaching, research,
and service.**

Laurence B. Gardner, M.D., MACP
Interim Dean
University of Miami Miller School of Medicine

December 15, 2016

Leonidas Bachas
Dean, College of Arts and Sciences

Jean Pierre Bardet
Dean, College of Engineering

Dear Leonidas and Jean Pierre,

I would like to express my support for the proposed creation of a Frost Institute of Chemistry and Molecular Science, as well as the overall structure of the Frost Institutes for Science and Engineering at the University. The Frost Institutes will strengthen our research endeavors and will offer great service to our community.

I look forward to our collaborations as we chart the course to our new century.

Best regards,



Laurence B. Gardner, M.D., MACP
Interim Dean
University of Miami Miller School of Medicine



Dean Anuj Mehrotra
5250 University Drive, Jenkins 219
Coral Gables, FL 33146

Phone: 305-284-6515
Fax: 305-284-6526
<http://www.bus.miami.edu>

December 15, 2016

Leonidas Bachas
Dean, College of Arts and sciences

Jean Pierre Bardet
Dean, College of Engineering

Dear Leonidas and Jean Pierre,

I would like to express my support for the proposed creation of a Frost Institute of Chemistry and Molecular Science, as well as the overall structure of the Frost Institutes for Science and Engineering at the University. The Frost Institutes will strengthen our research endeavors and will offer great service to our community.

I look forward to our collaborations as we chart the course to our new century.

Best regards,

A handwritten signature in blue ink, appearing to read 'Anuj Mehrotra'.

Anuj Mehrotra
Dean
Leslie O. Barnes Scholar
Professor of Management Science

UNIVERSITY OF MIAMI
**SCHOOL of EDUCATION
& HUMAN DEVELOPMENT**



Office of the Dean
Isaac Prilleltensky, Ph.D
Dean and Professor
Vice Provost for Institutional Culture
Erwin and Barbara Mautner
Chair in Community Well-Being

P.O. Box 248065
Coral Gables, FL 33124-2040
Phone: 305-284-3505
Fax: 305-284-3003
www.education.miami.edu

December 14, 2016

Leonidas Bachas
Dean, College of Arts and sciences

Jean Pierre Bardet
Dean, College of Engineering

Dear Leonidas and Jean Pierre,

I would like to express my support for the proposed creation of a Frost Institute of Chemistry and Molecular Science, as well as the overall structure of the Frost Institutes for Science and Engineering at the University. The Frost Institutes will strengthen our research endeavors and will offer great service to our community.

I look forward to our collaborations as we chart the course to our new century.

Best regards,

Isaac Prilleltensky
Dean and Professor
Vice Provost for Institutional Culture

UNIVERSITY OF MIAMI
GRADUATE SCHOOL



Graduate School
P.O. Box 248125
Coral Gables, FL 33124-3220

Phone: 305-284-4154
Fax: 305-284-5441
graduateschool@miami.edu

December 14, 2016

Leonidas Bachas
Dean
College of Arts and sciences

Jean Pierre Bardet
Dean
College of Engineering

Dear Leonidas and Jean Pierre,

I would like to express my support for the proposed creation of a Frost Institute of Chemistry and Molecular Science, as well as the overall structure of the Frost Institutes for Science and Engineering at the University. The Frost Institutes will strengthen our research endeavors and will offer great service to our community.

I look forward to our collaborations as we chart the course to our new century.

Best regards,

Guillermo ("Willy") Prado
Dean
The Graduate School

UNIVERSITY OF MIAMI
ROSENSTIEL
SCHOOL of MARINE &
ATMOSPHERIC SCIENCE



Office of the Dean
Science and Administrative Building 107
4600 Rickenbacker Causeway
Miami, FL 33149-1031
Phone: 1 305 421-4000
Fax: 1 305 421-4711
Web Site: <http://www.rsmas.miami.edu>

January 4, 2017

Leonidas Bachas
Dean, College of Arts and sciences

Jean Pierre Bardet
Dean, College of Engineering

Dear Leonidas and Jean Pierre:

I would like to express my support for the proposed creation of a Frost Institute of Chemistry and Molecular Science, as well as the overall structure of the Frost Institutes for Science and Engineering at the University. The Frost Institutes will strengthen our research endeavors and will offer great service to our community.

I look forward to our collaborations as we chart the course to our new century.

) Warm regards,

Roni Avissar, Dean
Rosenstiel School of Marine & Atmospheric Science
University of Miami



Thomas J. LeBlanc, Ph.D.
Executive Vice President & Provost

P.O. Box 248033
Coral Gables, Florida 33124-4628

Ph: 305-284-3356
Fax: 305-284-6758

MEMORANDUM

March 7, 2017

To: Dr. Tomas Salerno
Chair, Faculty Senate

From: Thomas J. LeBlanc, PhD *TJL*
Executive Vice President and Provost

Subject: Approval for the budget of the Frost Institute of Science and Chemistry and the Frost Institute of Chemistry and Molecular Science at the University of Miami

I approve of the proposed budget for the Frost Institute of Science and Chemistry and the Frost Institute of Chemistry and Molecular Science at the University of Miami that will be primarily funded by the \$100M gift from Patricia and Phillip Frost.

TJL/bf

Enclosure

cc: Faculty Senate Office



Thomas J. LeBlanc, Ph.D.
Executive Vice President & Provost

P.O. Box 248033
Coral Gables, Florida 33124-4628

Ph: 305-284-3356
Fax: 305-284-6758

MEMORANDUM

February 1, 2017

To: Dr. Tomas Salerno
Chair, Faculty Senate

From: Thomas J. LeBlanc, PhD *TJL*
Executive Vice President and Provost

Subject: Approval for the Frost Institute of Science and Chemistry and the
Frost Institute of Chemistry and Molecular Science at the University
of Miami

The proposal for the establishment of the Frost Institute of Science and Chemistry and the Frost Institute of Chemistry and Molecular Science at the University of Miami was presented to the members of the Academic Dean's Policy Council (ADPC) at their meeting on February 1st, 2017. At that time, the proposal was voted on and unanimously approved; therefore, it is being forwarded to the senate for their action.

TJL/bf

Enclosure

cc: Faculty Senate Office