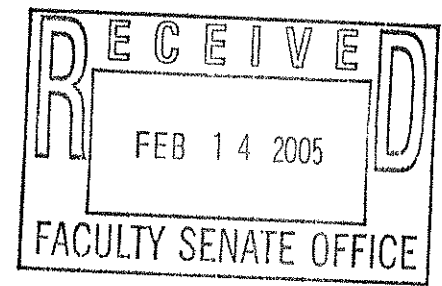


UNIVERSITY OF
Miami
FACULTY SENATE
MEMORANDUM

IN/OUT KL RH (F) C



To: Donna E. Shalala, President

From: Mary Coomb *Mary Coomb*
Chair, Faculty Senate

Date: February 4, 2005

Subject: Faculty Senate Legislation #2004-14(B) – Establishment of the Oceans and Human Health Center

The Faculty Senate, at its January 26, 2005 meeting, voted unanimously to approve the establishment of the Oceans and Human Health Center at the Rosenstiel School of Marine and Atmospheric Science. The proposal is enclosed for your reference.

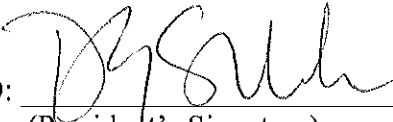
This legislation is now forwarded to you for your action. If approved, the establishment would become effective immediately.

MC/kl

cc: Luis Glaser, Executive Vice President and Provost
Otis Brown, Dean, Rosenstiel School of Marine and Atmospheric Science
Sharon Smith, Professor and Chair, Marine Biology and Fisheries
Lora Fleming, Miller School of Medicine

CAPSULE: Faculty Senate Legislation #2004-14(B) – Establishment of the Oceans and Human Health Center

PRESIDENT'S RESPONSE

APPROVED:  DATE: 2/09/05
(President's Signature)

OFFICE OR INDIVIDUAL TO IMPLEMENT: Otis Brown

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

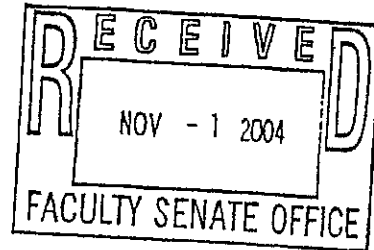
NOT APPROVED AND REFERRED TO: _____

REMARKS (IF NOT APPROVED): _____




THE ROSENSTIEL SCHOOL

MEMORANDUM



TO: Mary Coombs
Chair, Faculty Senate

FROM: Otis B. Brown 
Dean

DATE: October 29, 2004

SUBJECT: Center for Oceans and Human Health

This memo is in support of the appended materials for the "naming" of the new sponsored research center at the Rosenstiel School, the *Center for Oceans and Human Health*.

- 1.) Center Staff: all staff are supported by extramural sources. The staff and research program (budget) is limited by the level of extramural support, so while the budget is flexible, it is constrained by resource availability.
- 2.) Library Collections: there is no impact on Library collections, either at the School or University level.
- 3.) Approval: The Rosenstiel School Council has recommended approval of the Center. I endorse the creation/naming of this center.
- 4.) Budget: As noted in 1.) above, since I approve each extramural support request, I approve the Institute's operating budget by default. Thus, I approve and endorse the operating budget for the Institute.

cc: Kimberly Litman, Faculty Senate Office

**CHARTER
THE UNIVERSITY OF MIAMI'S
OCEANS AND HUMAN HEALTH CENTER
AT THE ROSENSTIEL SCHOOL**

Mission

Oceans have become conduits for a number of environmental threats to human health. The ultimate goal of this center is to create an innovative interdisciplinary entity engaging oceanographic and medical scientists in cooperative investigations of scientific problems in the tropical and subtropical oceans and their impact on human populations.

Background

Recently, there has been increasing recognition of the inter-relationship between human health and the oceans. In 1999 the National Research Council first laid out specific focal areas of scientific interest, including harmful algal blooms, microbial contamination of marine waters and seafood, and pharmaceuticals from the seas. Interactions between oceans and human health are increasing in part because increasing numbers of humans are living within close proximity of the world's oceans. Presently over 60% of the world's population is living within 75 miles of an ocean coast. Due to population growth and migration, the concentration of humans along ocean coasts is increasing most dramatically in tropical and subtropical areas.

Over the past 60 years, researchers at The Rosenstiel School have received extensive and sustained funding for a wide range of oceanographic and marine biological research. As a result, these researchers have developed particular expertise in the areas of remote sensing, physical and biological oceanography and atmospheric chemistry, particularly applied to tropical and subtropical ocean environments. Over the past decade, the University of Miami's Rosenstiel School has established a unique partnership with the University of Miami School of Medicine and its State University partner, Florida International University, to expand the applications of the biomedical sciences to the freshwater and marine environments. The close proximity of the Rosenstiel School of Marine and Atmospheric Science and the University of Miami Medical School is a unique attribute which distinguishes UM's Rosenstiel School from all other oceanographic institutions in the United States. With its extensive history of interdisciplinary and collaborative research in the oceanographic and biomedical sciences, the University of Miami and its collaborators are in a unique position to provide the appropriate resources to investigate questions pertaining to oceans and human health, particularly in tropical and subtropical marine environments.

Center Objectives

The trend of increasing degradation of ocean ecosystems and increasing population concentration near the ocean-land interface makes ocean-derived human health problems a new and rapidly growing planetary concern. In this center we link experienced ocean scientists with medical scientists and environmental engineers to study three important questions focused on the subtropical/tropical ocean environment. Current projects are 1) the assessment of microbial indicators for monitoring recreational water quality, 2) the investigation of a wide variety of phytoplankton species for their ability to produce toxins, and 3) the study of the molecular mechanisms and population dynamics that produce toxic blooms of *Karenia brevis* Davis. These projects are supported by facilities cores which are collections of equipment and expertise partly or fully supported by this grant and open to multiple users within the center. The facilities cores are 1) remote sensing, 2) cell sorting/cell culture, and 3) genomic sequencing.

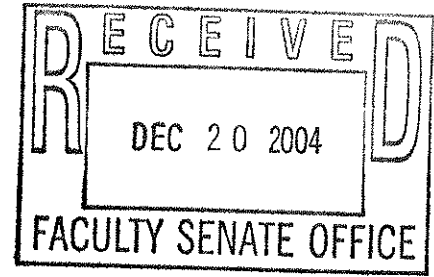
Composition

The Oceans and Human Health Center will consist of a Director, Associate Director, Administrator, Internal Advisory Committee, External Advisory Committee, faculty, and technical/scientific staff. The Internal Advisory Committee (IAC) will include the principal investigators and co-principal investigators of all projects and facilities cores, the Director of the NIEHS Marine and Freshwater Biomedical Center, and the Associate Dean of the Rosenstiel School. The External Advisory Committee (EAC) will include four to six internationally recognized ocean and biomedical scientists. The IAC meets quarterly to review the scientific progress of the Center, identify any issues impeding progress, and find ways of improving communications and interactions among the Center members. The EAC meets annually and is charged with reviewing scientific progress and identifying areas of investigation that should be included in the Center in future years. The Charter of the Center will be amended by a simple majority vote of the IAC. The scientific output and progress of the Center is further reviewed annually by the funding agencies (National Science Foundation and National Institute of Environmental Health Sciences) in the form of annual progress reports and renewal requests. The Director and Co-Director serve at the pleasure of the funding agencies; they are the Principal Investigators on the grant. By virtue of the funding of the grant, they have been appointed by the funding agencies and are reviewed annually via the progress reports and annual renewals of funding.

Sponsorship

This Oceans and Human Health Center is one of only four such Centers in the United States, which were recently funded by a new partnership between the National Science Foundation and the National Institute of Environmental Health Sciences. This is a sponsored center funded jointly by the National Science Foundation and the National Institute of Environmental Health Sciences. The

initial funding level is a total of US\$1,250,000 per year for five years beginning in March 2004. Of this, the National Science Foundation provides \$750,000 per year for five years and the National Institute of Environmental Health Sciences provides \$485,000 per year for five years.




Executive Vice President and Provost

MEMORANDUM

December 15, 2004

To: Dr. Mary Coombs
Chair, Faculty Senate

From: Luis Glaser, Ph.D.
Executive Vice President and Provost 

Subject: Oceans and Human Health Center Charter

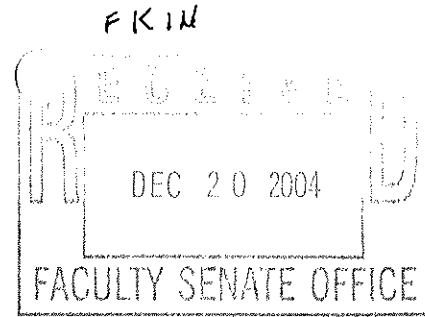
I am writing to officially notify you that the Academic Deans' Policy Council, at its last meeting on December 2 approved the creation of the Oceans and Human Health Center by unanimous vote.

I look forward to seeing the Center's approval move through the Senate in an appropriate way. It has my full support.

Thank you for your help on this matter.

LG/mc

cc: Dean Otis Brown



IN/OUT KL RH (F) C

December 16, 2004

Mary I. Coombs, Ph.D.
Chair, Faculty Senate
325 Ashe Administrative Building
Coral Gables Campus, LOC: 4634

Dear Mary,

The Medical School Council and Dean have unanimously approved Dr. Lora Fleming's recommendation to approve a new Ocean and Human Health Center as a joint program of the RSMAS and UMSM.

Sincerely,

A handwritten signature in black ink, appearing to read "MR".

Myron Rosenthal, Ph.D.
Senior Associate Dean
Faculty Affairs