



UNIVERSITY  
of HAWAII

MĀNOA 19 JUN 19 P3:57

RECEIVED

19 JUN 17 P4:30

June 17, 2019

MEMORANDUM

MANOA CHANCELLOR'S  
OFFICE

TO: David K. Lassner  
President, University of Hawai'i

VIA: Michael S. Bruno  
Provost, UHM

FROM: Jerris R. Hedges  
Dean, John A. Burns School of Medicine

SUBJECT: REQUEST CHANGE IN DEPARTMENT TITLE FROM  
COMPLEMENTARY AND INTEGRATIVE MEDICINE TO QUANTITATIVE  
HEALTH SCIENCES

SPECIFIC ACTION REQUESTED:

It is requested that the department title change from "Department of Complementary and Integrative Medicine" to "Department of Quantitative Health Sciences" be approved.

RECOMMENDED EFFECTIVE DATE:

Upon approval.

ADDITIONAL COST:

No additional cost associated with this request.

PURPOSE:

The purpose of this request is to enable the branding of the department and to improve public awareness of the department and its educational programs. The change in title from "Department of Complementary and Integrative Medicine" to "Department of Quantitative Health Sciences" will facilitate Master's Degree program promotion, faculty recruitment and retention, course enrollment, and increase quantitative health sciences research collaborations and services associated with UH Manoa.

The mission of the department is to promote research, education, and services through collaboration and innovation in the quantitative health sciences. Specifically, it strives to improve population and individual health by transforming health care through quantitative and other methodological innovations; train the next generation of clinical and translational researchers with state-of-the-art quantitative health research tools; and foster interaction and collaboration among researchers across the entire healthcare community.

Department faculty collaborate with institutional researchers and community partners to foster understanding and implementation of quantitative health sciences principles from study design to data interpretation to dissemination of scientific findings. Education and training in quantitative and health sciences and clinical research is provided through the department's graduate program offering a Master's Degree in Clinical and Translational Research. A brief description of the key elements of the department follows.

Department faculty conduct methodology research and collaborate with basic science, clinical, and translational researchers from across the University of Hawaii and its affiliates and community partners. The wide range of faculty expertise includes clinical trials, network data analysis, survival analysis, longitudinal data analysis, Bayesian statistics, healthcare data analytics, epidemiological research, and large-scale "omics" bioinformatic data analytics.

Collaborations and services are offered through the department's Biostatistics Core Facility and Bioinformatics Core Facility, with a diverse in-house team of biostatisticians, bioinformaticians, data specialists, and clinical research methodologists. Services include consultations, database development, research design, data analysis, and grant and protocol development in medical and health areas.

The newly modified, expanded, and renamed Clinical and Translational Research graduate program housed within the department offers two tracks. The Clinical Research track focuses on the study of methods suitable to investigate clinical research topics, and the ability to identify and resolve ethical issues in clinical research. Through the Quantitative Health Sciences track, students will acquire skills in biostatistics and bioinformatics, and master scientific data and study design principles and methodologies that underlie basic science, and clinical and translational research methods.

Nationally, to reflect the growing recognition of the importance of core areas of focus, such as biostatistics and quantitative science, across the broad missions of research, education, and clinical care, population health-oriented departments have emerged in academic medicine around the country in recent years. According to Gourevitch et al. (2019)<sup>1</sup>, "In supporting this new framing, academic medicine affirms and strengthens its commitment to advancing population health and health equity, to improving the quality and effectiveness of care, and to upholding the social mission of medicine."

With extremely limited complementary and integrative medicine research activity and no clinical practice in complementary and integrative medicine within the department, the

---

<sup>1</sup> Gourevitch MN, Curtis LH, Durkin MS, Fagerlin A, Gelijns AC, Platt R, Reininger BM, Wylie-Rosett J, Jones K, Tierney WM. The emergence of population health in US academic medicine: a qualitative assessment. *JAMA Network Open*. 2019; 2(4): e192200

proposed change in title from "Department of Complementary and Integrative Medicine" to "Department of Quantitative Health Sciences" will more suitably and appropriately reflect the key functions and purposes of the current department, and respond to the growing interest in improving the health of the population.

**BACKGROUND INFORMATION:**

Per Administrative Procedure No. A3.101 policy, "authority to approve changes to titles of organizational segments is delegated by the Board [of Regents] to the President and by the President to each Vice President and Chancellor, provided that the title changes must be approved by two supervisory levels above where the changes are proposed."

To improve and strengthen the Clinical and Translational Research Graduate Program, housed within the Department of Complementary and Integrative Medicine, and to facilitate and broaden the quantitative health sciences research and collaborations, five biostatistics and bioinformatics faculty members from the Office of Biostatistics and Quantitative Health Sciences (BQHS) under the Department of Tropical Medicine, Medical Microbiology, and Pharmacology were transferred to the Department of Complementary and Integrative Medicine in December 20, 2016, with the Director of the Office of BQHS serving as the interim Chair of the department and interim graduate chair of the Clinical and Translational Research Graduate Program.

Currently, there are no existing biostatistics or bioinformatics degree programs in the state of Hawai'i. A quantitative health sciences department and its graduate education program will be of great value to the University.

Since 2012, quantitative health sciences faculty in the department have developed over a dozen biostatistics, bioinformatics, and related quantitative health sciences graduate courses. Several key courses offered by the department faculty are cross-listed with other graduate programs, such as the Tropical Medicine graduate program. Multiple health sciences schools and related programs, such as School of Nursing and Dental Hygiene, Office of Public Health Studies, and College of Tropical Agriculture and Human Resources, have shown strong interests in using these courses, and have been sending their graduate students and junior faculty to enroll in them. Through these courses, the department will enable the medical school and the university to meet the demands for quantitative health science expertise by Hawaii's healthcare researchers and to expand collaborative research endeavors.

Modern clinical and translational research studies involve complex study designs and generate complicated and large datasets from electronic medical records, Medicare and Medicaid data, and high-throughput sequencing data, which require specialized quantitative expertise and a population health perspective. The department faculty members are working closely with multiple clinical departments of the medical school and its affiliated health systems (e.g., Hawaii Pacific Health) to conduct population health services research through large healthcare data analytic approaches, disease

diagnostics, patient risk stratification, and multi-state chronic disease progression modeling.

As health sciences researchers at JABSOM and other health sciences schools continue to compete for extramural grants and receive more grant awards, the need for quantitative support and collaboration will continue to increase; successful implementation of these projects will urgently need more trained biostatisticians, health data scientists, and bioinformaticians.

The research, education and services of the department faculty will expand the state's capacity to conduct biomedical research and medical practice to define and improve the health outcomes for the people of Hawai'i.

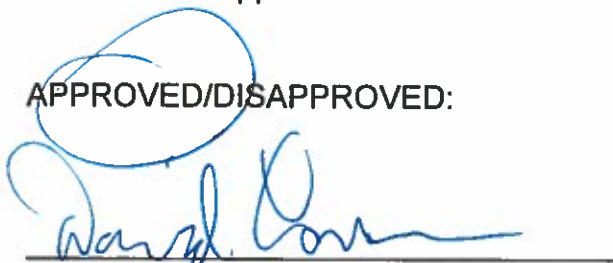
Consequently, the department has spent the past two and a half years discussing and planning a befitting change in department title. On February 8, 2019, the department faculty voted on the department name. All eight UHPA Bargaining Unit 07 members of the department participated in the discussion and the final vote to change the department name to "Department of Quantitative Health Sciences" and submitted these results (seven in favor) to the Office of the Dean on February 12, 2019.

The medical school is currently going through a reorganization, which will no longer list the Office of Biostatistics and Quantitative Health Sciences under the Department of Tropical Medicine. In addition, it will update the department title change from "Department of Complementary and Integrative Medicine" to "Department of Quantitative Health Sciences," if approved as proposed.

ACTION RECOMMENDED:

It is recommended that the department title change from "Department of Complementary and Integrative Medicine" to "Department of Quantitative Health Sciences" be approved.

APPROVED/DISAPPROVED:



David Lassner  
President

JUN 19 2019

Date



UNIVERSITY  
of HAWAII  
SYSTEM

RECEIVED


Michael Ng  
Budget Director

19 JUN 19 P3:16

MANDA CHANCELLOR'S  
OFFICE

June 19, 2019

TO: Michael S. Bruno  
Provost, UHM

FROM: Michael Ng   
Budget Director

SUBJECT: Change in Department Title from Complementary and  
Integrative Medicine to Quantitative Health Sciences

This is in response to the June 17, 2019 request to change the title of the Department of Complementary and Integrative Medicine to the Department of Quantitative Health Sciences.

Per the referenced APM A3.101.9 consultation request, the University Budget Office is of the opinion that the proposed change in the organizational segment title presented in the above referenced Memorandum does not duplicate and will not be confused with the title of any other organization or unit within the University.

If you have any questions, please contact me ([ng23@hawaii.edu](mailto:ng23@hawaii.edu)).

2442 Campus Road  
Admin Services Bldg 1, Room 101  
Honolulu, Hawaii 96822  
Telephone: (808) 956-6071  
Fax: (808) 956-9002

An Equal Opportunity/Affirmative Action Institution