



The Moran Foundation

DEPARTMENT OF PATHOLOGY
BAYLOR COLLEGE OF MEDICINE
TEXAS MEDICAL CENTER
HOUSTON, TEXAS 77030

June 23, 1992

Charles E. Stager, Ph.D.
Department of Pathology
Ben Taub General Hospital
1502 Taub Loop
Houston, TX 77030

Dear Dr. Stager:

Please update me on the status of your Moran Foundation project (3-90-0049) entitled "Rapid Identification Directly from Blood Cultures of Most Common Pathogenic Microorganisms Causing Septicemia Using Their Differences in Chemical Structure and High Resolution H1-Nuclear Magnetic Resonance Spectroscopy".

Since approval and funding is generally for a one-year period, all projects approved in or prior to June 1991 should now be "complete", or nearly so.

I need a progress and/or final report regarding your project, including dates and times of any presentations, and information regarding any publications.

Please submit this to me within the next 30 days.

Sincerely yours,

Philip J. Migliore, M.D.
Research Director

PJM/ms

c: Dr. Michael Lieberman
Mr. John Moran



HARRIS COUNTY
HOSPITAL DISTRICT

Pathology Service
1502 Taub Loop
Houston, Texas 77030



BAYLOR
COLLEGE OF
MEDICINE

Department of Pathology
One Baylor Plaza
Houston, Texas 77030

July 23, 1992

Philip J. Migliore, M.D.
Research Director
The Moran Foundation
Baylor College of Medicine
Houston, Tx. 77030

Dear Dr. Migliore:

In response to your letter of June 23, 1992, we are currently writing a paper on the use of nuclear magnetic resonance spectroscopy for the identification of Escherichia coli, Klebsiella pneumoniae, Serratia marcescens, Pseudomonas aeruginosa, Enterococcus faecalis and Staphylococcus aureus from blood agar or blood cultures. We have run a total of 39 strains and for each genus and species, we have found the NMR spectra to be unique and reproducible. Major peaks for each type of bacteria have occurred at the same ppm of the spectrum or within ± 0.005 ppm. Myself, Dr. Delpassand and Dr. Morrisett have accurately identified a series of unknown organisms, using an algorithm that we developed for the NMR spectra. We plan to submit the paper to the New England Journal of Medicine and will provide a draft of the paper for your consideration.

We thank the Moran Foundation for supporting this project.

Sincerely,

A handwritten signature in cursive script that reads "Charles E. Stager".

Charles E. Stager, Ph.D.