

DATE: 4/8/71

TO : Robert G. Lindee

FROM : Joshua Lederberg

SUBJECT: Genetics Department (exclusive of ACME, Neurobiology and Bio-Engineering)

A. Capital Facilities

Major needs are in laboratory space. About 3000 ft² (net) are needed to relieve existing pressures and to permit one new billet in a department that has been quite static for some time. Some area of somatic cell (tissue culture) genetics to fill the gap left by Prof. Bodmer's departure is the probable focus of interest.

This might be funded in part as an offshoot of proposed Cancer Center. Or other arrangements with Biochemistry/Cell Biology.

- B. Professor Cavalli-Sforza - Population Genetics - an outstanding candidate. Human Biology (Ford Foundation endorsement) might match new funds. Source?
- C. Environmental hazards (mutagens) - also Ganesan etc.)
 Socio-politico-ethical studies ("genetic engineering")) Lederberg
 Computer intelligence in laboratory & diagnostic work)
 Behavioral genetics (Cavalli jointly with psychiatry)
 Neurochemical genetics and mental retardation (Shooter)
 Genetic & cellular basis of immunity (connects with cancer, transplants) -
Herzenberg
- D. Besides space, we need about \$50,000 per annum of new private money for general departmental expense, for start of new research pending federal grant support and to cushion cutbacks in latter.



A major new program that I look forward to discussing with our next Dean is a school of environmental health, within the School of Medicine. This would make substantial use of existing faculty, in the present departments; but about 12-15 new people (and corresponding space and facilities) should be sought in areas like epidemiology, nutrition, environmental toxicology, and perhaps economics. So we are talking about an expense of some 1.5 to 2 M per year.

Until this is an 'approved' program, it may be pointless to discuss its funding. It should be quite attractive to industrial (and related foundational) donors.

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