THE BROOKLYN INSTITUTE OF ARTS AND SCIENCES

BROOKLYN BOTANIC GARDEN

1000 WASHINGTON AVENUE

BROOKLYN 25, NEW YORK

TELEPHONE: MAIN 2-4433

Dec. 14, 1957.

Dear Lederberg,

We have become interested in mutant nicrobes which are deficient in their aerobic netabolism, and thus may show some resemblance to cancer cells. Cultures such as Ephrussi's petite along yeast, deficient in lightreship axidase, would be of interest.

It seems to us worthwhile to make new mutants with defective metabolism, using E. coli and S. auneur. These might be useful in preliminary screening for auti-turnor substances. The final screening would then be done with selected materials injected into embryonatal here eggs bearing four liferent types of human turnors.

Would you have a graduate student or PLD who would be interested in making such mutants? The work could be supported furcially by arrangement for a fellowship and expenses. Or we could take a good person into our program here in Mens York, beginning anothine soon. If such suggestions seem to be impractiable in your laboration at this time can you suggest amone who

would be interested in doing this kind of mutant work in his own daboratory with financial aid or anyone available to as regards neethods, we are thinking of chaucal and radiation sources of mutagenic agents, and selectine dye techniques for finding metabolic mutants. Howe you eny special suggestions or references on techniques of isolating respiratory mutants ? any hely will the greatly appreciated.

Tet un hear from you soon, and

unt lest mushes,

Senciely Paul P. Burkhaller.

1.5. Verhagen you may have on hand yeast or E. coli mutants that you think would be of intrest in our work of so, please sand them along soon.