

# OAK RIDGE NATIONAL LABORATORY

OPERATED BY  
UNION CARBIDE CORPORATION  
NUCLEAR DIVISION



POST OFFICE BOX Y  
OAK RIDGE, TENNESSEE 37830

April 16, 1970

Dr. J. Lederberg  
Genetics Department  
Stanford University  
Stanford, California

Dear Dr. Lederberg:

Many thanks for your useful and interesting paper "Orthobiosis" and your suggestion about ASCA.

The test of the Shope in cultures of cells from the kids prior to their inoculation was part of the plan. I sent virus to the people with the cells who are in Antwerp in late Autumn. I have been waiting on them to send me a line of their cells for a couple of months but they have had a problem as the lines were contaminated with bacteria or fungi. In any event, the kids were inoculated about a month ago and everything has run smoothly since. I have been expecting everyday to learn of their results as I would estimate that it will take a month to two months for the effect on blood arginine to be manifest.

As the virus has never gone in culture a negative result would not have had much meaning but certainly a positive one would be comforting. I hope they took another biopsy for new cell lines before inoculating the virus. The overall group seemed very competent so I am sure they did. To test the virus in culture prior to inoculation was in the protocol we jointly drew up.

My chief worry is whether we can induce enough enzyme to significantly lower the ten-fold increase these kids have. If so, we should be able to stop the progression of the disease in the younger child. The older one, (about 7 yrs. old) is in very bad shape.

I will let you know at once when I hear anything further.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "Stanfield Rogers".

★ Stanfield Rogers, M. D.  
Biology Division

ESR:nt

STANFIELD  
ROGERS