

CARLSBERG LABORATORIUM.

PHYSIOLOGICAL DEPT.: TELF.: CENTR. 10344.

COPENHAGEN, VALBY,
DENMARK.

6th March 1958

Dear Dr. Lederberg,

I presume you have received a letter from Dr. M. S. Swaminathan about me sometime back, and yesterday I also received a letter from him asking me to contact you about my admission to your department.

By way of introduction, I can provide you with some details which will enable you to consider my case. After taking my B.Sc; B.Sc(Honours) and M.A. degrees in Botany, I joined Dr. M.K. Subramaniam in the Indian Institute of Science in Bangalore in 1953 and started working on cytogenetics of yeasts. I left the department in 1955 and joined Dr. Swaminathan in New Delhi as his Research Assistant and was in the staff of the Cytogenetics Section there until Prof. Ø. Winge sponsored me to come to Denmark through a Danish fellowship in September 1957. I have taken a leave from the Institute for three to four years at the end of which time I will again join Dr. Swaminathan in Delhi.

During my stay in Bangalore, besides undergoing training in microbiological techniques, I also carried out a detailed experimental study of the 'Endopolyploidy concept' of Dr. Subramaniam. The results obtained by me did not, however confirm his views and I left him, and published my own ideas independently after many discussions with other people in the field. In Delhi, I have worked out a fairly good method for studying the different cytological details in yeasts with Dr. Swaminathan.

When I came to Denmark to work with Prof. Winge I started a detailed study of meiosis and Haplo and Diplophase in Sac. cerevisiae, which I have completed now and the results are expected to be published in Comptes Rendus. Lab. Carlsberg. At present I am working on the Genetics of Melibiose fermentation in some of the new yeast strains which we received from Lisbon recently. Since my grant lasted only for six months, (up to Feb. 58) and I am in the middle of my problem, Prof. Ø. Winge and Prof. H. Holter have been kind enough to attempt to extend the grant for one more year (till Feb. 59) through the Rask-Ørsted foundation of Denmark. If this is approved, it will enable me to finish the present problems.

Although I have always been interested in Microbial genetics, I did not have a good opportunity to acquaint myself with the field until I came to the Carlsberg Laboratory. I must say that I am fairly ^{well} acquainted ~~well~~ with all the interesting publications from your school, and during my stay with Dr. Swaminathan, I have heard much about you and the Genetic investigations at Wisconsin. I would appreciate the opportunity to work under your guidance for my Doctorate degree, especially after the background I have gained here with Prof. Winge and Dr. Catherine Roberts.

I shall be very glad to furnish any other details you want in this connection about me and my work. I am also enclosing a list of my publications herewith.

Thanking you,
Yours sincerely,

A. T. Ganesan
(A. T. Ganesan)

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