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April 13, 1993

Dr. M. Meselson
Harvard University
Boston, MA

Dear Dr. Meselson:

In collaboration with Dr. S. Nishimura, we have observed that the mouse *N*-methylpurine-DNA glycosylase, which is responsible for repair of *N*-alkylpurines, e.g., 7-methylguanine in DNA, also removes 8-hydroxyguanine from DNA both *in vivo* and *in vitro*. This is an unexpected observation and is all the more interesting because the human protein is much less efficient than the mouse protein in removing 8-hydroxyguanine, possibly the most common spontaneous lesion, in DNA. We have already written a manuscript describing these results.

Is it possible for you to consider this for submission to PNAS?

Thank you very much for your help.

Yours sincerely,

Sankar Mitra

Sankar Mitra
Professor

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