Memorandum

March 13. 1986 Date

Chief, Laboratory of Tumor Cell Biology, DTP MET, NCI · From

a. se t Chronological Summary of Experiments Leading from AIDS and ARC

the Isolation of HTLY-III

The Record Ta

Given below is the summary of events that toche place between 1982 and 1984 leading to the isolation, characterization, the second patenting of HTLY-III Flies cast.

- 1. August 1982: The idea to search for a reconstrus as the wash of AIDS was first proposed by Dr Gallo and published in Medical Worl.
- 2. August 1982: First detection of HTLY-I the ne cultures of an AIDS patient as evidenced by E.M., cell biology, immunipages ical, and molecular biology
- 3. December 1982: Detection of AIDS samples with were positive for reverse transcriptase but were negative for cross section with MILY-I pl9 or p24. EN showed virus particles with morphology eliferent from MILY-1.

January 1983: Phone call to Dr. Gallo frid pr. Hortage.fer requesting

5. February 1983: Letter from Dr. Montagnie Mequesting HT:Y=1 claned DNA and antisera against MTLY=1 antigens. The meagents were sense.

6. February 1983: Three ALDS samples obtained from Dr. Leibouritch were found to be positive for inverse transcription but negative for HTLY-1

but negative for HTLY-I

February 1983: Papers on the detection of the V in lymphocytes of two

110 and co-workers.

8. March 1983: Sent HTLY-! DNA to Dr. Montage

April 1983: Reviewed the paper by Montagrand and co-workers on the 1801 ation of T-lymphotropic retrovirus from AIDS patient and recommended its publication in Science.

10. April 1983: Requested the RUB cell line (petient) from Dr. Montagnier.

11. April 1983: Requested DNA from RUB cells the Dr. Montagnier for comparison with MTLY-I and MTLY-II. Twenty micrograms of DNA was received. Found to

12. January 1983-April 1983: Twenty-seven same from AIDS and ARC patients were analysed. Three were found to be positive for reverse transcriptase.

- 13. May 1983-September 1983: Eighty complex of AIDS and ARC patients a analysed for HTLV-III. Sixteen supples were found to be positive f
- 14. July 1983: LAY supernatant was first from Dr. Montagnier. No v was detectable by RT assay.
- 15. September 21-23, 1983: LAY supermeant was received from Dr. Montage The sample had reverse transcripted activity. It was transmitted in production of virus RI was observed and the cells subsequently died. The cells were found to be negative for fluorescence with HTLY-I ply A stock of extracellular virus equal for fluorescence with HTLY-I and HTL freezer. A sample was sent to transmitted in presence of another was sent to transmitted.
- 16. October 1983-December 1983: Forty to sample: of AIDS and ARC paties were analysed for ATL, III. Thirties were found to be positive.
- 17. November 1983: HTLY-LIIB was translated to HT cell line.
- December 1983: Specific reagents of HTLY-III were prepared. LAY was transmitted to a cell line TI7.4 contained from M. D. Anderson. Hospit This cell line produced low level to LAY. The HTLY-III and LAY were empared and found to be similar.
- December 1983: Electron microscopt parmination of "HO variant" late called HTLY-III, showed virus partities containing cylinical cores this morphology was different to the sean with HTLY-1 and HTLY-II.
- 20. January 1984-May 1984: One hundred wight, five samples were analysed for HTLY-111. Seventy-eight samples were found to be positive.
- 21. February 1984: HTLY-IIIg was transmitted to H9 clone.
- 23. April 1984: Patent filed for large stale production of HTLY-III and for the detection of HTLY-III antiboties in blood by Elisa.
- 24. May 1984: HTLY-III infected M9 cemilient to Dr. Montagnier.

22. February 1984: Attempts to transmid Ay to M9 cells were unsuccessful

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PSS/bj