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COVER LEGEND

Lev Alexandrovich Zilber (1894-1966), doctor of medical sciences and member of the U.S.S.R. Academy of Medical Sciences, was the founder of the Russian school of viral oncology. A graduate of Moscow State University in 1919, his earlier experimental work was on auto-serotherapy of typhus (1921), hereditary transformation of serotypes in *Proteus vulgaris* (1922-1923), and the replication of viruses in unnatural hosts, as vaccinia virus in yeast (1932-1934). He and his co-workers identified the tick-borne, summer-spring encephalitis of the Far East regions of the U.S.S.R. He began work on the virological aspects of cancer in 1944, heading the Department of Immunology and Virology of Tumors at the Gamaleya Institute of Epidemiology and Microbiology, Moscow. [N. F. Gamaleya (1859-1949), after whom the Institute is named, was a bacteriologist who, following a visit with Pasteur in 1896, introduced rabies vaccination in Russia.]

Zilber and his associates described specific tumor antigens (*Advan. Cancer Res.*, 5: 291, 1958) and the induction of tumors in mammals by Rous sarcoma virus (*Progr. Exptl. Tumor Res.*, 7: 1, 1965). Reviews of his work are also available in English in *Progr. Exptl. Tumor Res.*, 1: 1, 1960, and in his book with G. I. Abelev, *Tumor Virology and Immunology*, a 1968 translation of the 1962 Russian text. *The*

Selected Works of L. A. Zilber, edited by N. N. Blokhin (*Meditina*, Leningrad, 1971), lists 11 monographs and over 260 articles published by Zilber.

G. I. Abelev (b. 1928) doctor of biological sciences and professor of biochemistry, graduated from Moscow State University in 1950. He was an assistant of Dr. Zilber, whom he succeeded as departmental chairman at the Gamaleya Institute in 1966. Abelev and his colleagues devoted their attention to tumor-specific antigens and demonstrated striking immunological individuality in mouse hepatomas (*cf. Progr. Exptl. Tumor Res.*, 7: 104, 1965).

The most important contribution from Abelev's group was the 1963 discovery of embryo-specific α -globulin (α -fetoprotein, or AFP) in experimental hepatomas. This led to the development of an immunodiagnostic test for hepatocellular carcinoma and teratocarcinoma in man. The work is reviewed in *Advan. Cancer Res.*, 14: 295, 1971. The figure is from this article and is a schematic representation of AFP synthesis in normal development and pathological states (*solid line*, serum AFP levels in arbitrary units; *broken line*, expected AFP level).

We are indebted to Dr. Lev L. Kisselev for the portraits of Zilber (left) and Abelev (right).

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THIRD CONFERENCE ON
EMBRYONIC AND FETAL ANTIGENS IN CANCER

Held at the
Hyatt Regency Hotel
Knoxville, Tennessee
November 4–7, 1973

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¹ Requests for abstracts of the Third Conference on Embryonic and Fetal Antigens in Cancer should be addressed to: R. E. Canning, Molecular Anatomy (MAN) Program, P. O. Box P, Building K-703, Oak Ridge National Laboratory, Oak Ridge, Tenn. 37830.

² The person whose name is *italicized* was the presenter of the paper.

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