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1921 The Effects of Treatments with 5-(3,3-Dimethyl-1-triazenoimidazole-4-carboxamide in Darkness and in Light on Survival and Progression in Chinese Hamster Ovary Cells in Vitro. A. H. Gerulath, S. C. Barranco, and R. M. Humphrey.


1931 * 13Ga Binding to Human Serum Proteins and Tumor Components. Jørgen Clausen, Carl-Johan Edeling, and Jan Fogh.

1938 Minimal Bone Marrow Damage in Mice Given Bleomycin. Sallie S. Boggs, George P. Sartiano, and Angelo DeMezza.


1947 Combination of Active and Passive Immunization and Chemotherapy to Transplantation of Methylcholanthrene-induced Tumor in WKA Rats. Eiki Gotohda, Fujiro Sendo, Masuo Hosokawa, Takao Kodama, and Hiroshi Kobayashi.


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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 autoserotherapy 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.]


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 a-globulin (a-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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Studies on CEA as a Normal Product of Normal Gastrointestinal Epithelium. Thomas C. Hall, Marsha Hollander, Barbara Dyce, and Hans Hansen.


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An Isoenzyme of 5'-Nucleotide Phosphodiesterase and αFP in Human Hepatic Cancer Patient Sera. K. C. Tsou and
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