

The development of tumors on inoculation of RSV (Rous sarcoma virus) in foreign species and the phenomena underlying the successful recovery of the virus on inoculation of the chicken with such tumor cells is a central interest of this group. Shevliaghyn is particularly interested in the transformation of human cells with RSV. At the Institute for Oncology at Moscow, Svet-Moldavsky reports the induction with RSV of tumors in various lizards. At the same institute, Mazurenko is exploring the possible helper activity of various murine leukemia viruses for tumors of rats and mice induced with RSV. Studies on avian sarcoma virus are also being conducted by Diadkova at the Institute of Experimental Oncology at Leningrad and by R. Kukaine and her colleagues at the Kirchenstein Institute. The unavailability of a viral leukosis-free poultry flock would appear to impose a handicap on research on avian sarcoma and leukosis viruses in the Soviet Union.

Svet-Moldavsky has continued the studies on the "heterogenization" of mice, as shown by the ability to reject skin grafts from strictly syngeneic animals after inoculation of homogenates of certain tumors. He believes that the physical and biological properties of the heterogenizing agent are consistent with the postulate of a small, viruslike agent.

Mazurenko is investigating the biological and immunological aspects of his murine leukemia virus. A particular feature of his recent work has been an exploration of the possible role of interferon on infections with this and other murine leukemia viruses.

Studies are also underway on murine leukemia viruses at the Gamaleya Institute and at the Kirchenstein Institute; but no reports have yet been published by Soviet workers on murine sarcoma viruses.

At L. A. Tarassevitch State Central Institute for Vaccine Preparation, Moscow, Altstein has studied adenovirus SV-40 hybrids. At Gamaleya Institute, Irlin is studying the development of new antigens in cells infected with polyoma virus and the intracellular localization of virus in mouse cultures showing persistent infection. Deichman (Institute of Experimental and Clinical Oncology) is investigating the transplantation antigens of primary SV-40-induced tumors and their metastases.

This visit reaffirmed and strengthened the belief of the visitors that U.S. and Soviet medicine have much to gain through such interchanges. Our group

consisted of Drs. W. P. Rowe, National Institute of Allergy and Infectious Diseases (Chairman); C. F. T. Mattern, National Institute of Allergy and Infectious Diseases; V. Defendi, Wistar Institute, Philadelphia, Pa.; H. R. Morgan, University of Rochester School of Medicine, Rochester, N.Y.; S. Kit, Baylor University College of Medicine, Houston, Tex.; and T. E. O'Connor, National Cancer Institute.

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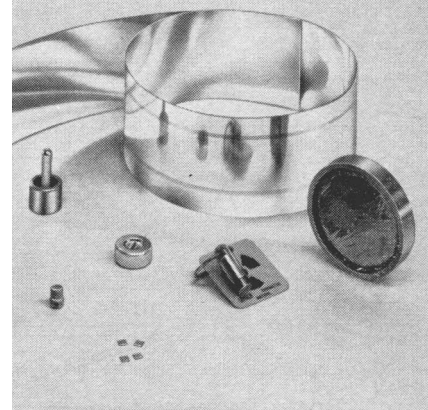
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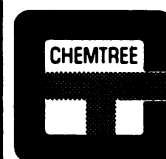
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