This issue of Cancer Research is dedicated to Dr. Jacob Furth in honor of his 70th birthday.

Contents

351 Significant Events in the Life of Jacob Furth. D. Murray Angevine.


400 Development of Spontaneous Mammary Tumors over the Life-Span of the Female Charles River (Sprague-Dawley) Rat: The Influence of Ovariectomy, Thyroidectomy, and Adrenalectomy-Ovariectomy. Patricia W. Durbin, Marilyn H. Williams, Nylan Jeung, and James S. Arnold.

412 Electron Microscopic Study of the Distribution of the Mouse Leukemia Virus (Gross) in Organs of Mice and Rats with Virus-induced Leukemia. Dorothy G. Feldman and Ludwik Gross.


435 The Enzymatic Synthesis of Ribonucleic Acid in Animal Tissue. II. Comparison of the Enzyme from Normal Bovine Lymph Node and Bovine Lymphosarcoma Tissue. J. J. Furth, Patricia Ho, and David K. Hopper.


443 The Mode of Virus Elaboration in C3H Mouse Mammary Carcinoma as Observed by Electron Microscopy in Serial Thin Sections. Tamaki Imai, Hiromitsu Okano, Akira Matsumoto, and Akio Horie.

454 Effect of Sex Hormones on Susceptibility to Viral Transmission of Myeloid Leukemia in the Mouse. V. K. Jenkins, T. T. Odell, Jr., and A. C. Upton.

459 Structural Similarity as Seen in 3-Dimensional Models between the N-[purin-6-oyl]-substituted Amino Acids and 2'-Deoxyadenylic Acid. Elvin A. Kabat, Sam M. Beiser, and Stuart W. Tanenbaum.


465 Comparative Biochemistry of Hepatomas. VI. Thymidine Incorporation into DNA as a Measure of Hepatoma Growth Rate. Michael A. Lea, Harold P. Morris, and George Weber.


474 Endometrial Changes after Prolonged Progesterone and Testosterone Administration to Rabbits. William A. Meisener and Sheldon C. Sommers.

479 Action of Thyroid Hormones and Diethylstilbestrol on the Gonadotropic Activity of a Mouse Thyrotropic Tumor. Bernard Messier.

483 Autoradiographic Analysis of Lymphocyte Proliferation in the Thymus and in Thymic Lymphoma Tissue. Donald Metcalfe and Margaret Wiadrowski.

492 Iodinated Serum Proteins in Functional Thyroid Carcinoma. J. Robbins and B. Weathers.

500 Keratin Granulomas in Irradiated Squamous Cell Carcinoma of Various Sites. Homa Safaii and Henry A. Azar.


514 Primary Lung Cancers in Birds and Mammals of the Philadelphia Zoo. Robert L. Snyder and Herbert L. Ratcliffe.

519 Splenectomy in Leukemia: Hematologic and Clinical Effects on 34 Patients and Review of 299 Published Cases. M. M. Strumia, P. V. Strumia, and D. Bassert.

Continued on reverse side
Continued from previous page


Cytology and Pathogenesis of Rauscher Virus Disease in Splenectomized Mice. Kenjiro Yokoro and Bo Thorell.

Infiltrating Gingival Carcinoma in Rats Ingesting N-2-Fluorenylacetamide. William V. Zussman.

COVER LEGEND (right to left)

