Contents

Nobel Prize Lectures:


1925 Endocrine-Induced Regression of Cancers. Charles Huggins.


2003 The Influence of Adrenal Injury Produced in Rats by 7,12-Dimethylbenz(a)anthracene on the Regulation of Liver Tyrosine Aminotransferase and Tryptophan Oxygenase. Julia Hudson, Olga Greengard, and Hermann Lisco.

2011 Influence of 3-Methylcholanthrene on Liver Carcinogenesis in Rats Ingesting L-Ethionine, 3'-Methyl-4-dimethylaminoazobenzene, and N-2-Fluorenylacetamide. Masao Marugami, Nobuyuki Ito, Yoichi Konishi, Yoshio Hiaa, and Emmanuel Farber.


2042 Induced Oncogenesis in Developing Frog Kidney Cells. Kenyon S. Tweedell.

2053 Some Properties of β-Glucuronidase Activity in Normal Rat Liver and in Several Transplantable Rat Hepatomas. Ronald L. Wagner and Jay S. Roth.

2060 The Concentration in Tumor and Other Tissues of Parenterally Administered Tritium- and 14C-labeled Tetraphenylporphinesulfonate. James Winkelman, Gary Slater, and Judith Grossman.

2065 Establishment of Transplantable Hepatomas Induced by 3'-Methyl-4-dimethylaminoazobenzene with Special Reference to the Histologic Features of the Transplants of Early Passages. Jeffrey P. Chang, Charles W. Gibbey, Jr., and Kihyoe Ichinoe.

2072 Acceptance of Walker 256 Carcinosarcoma by C57BL/6 Mice Treated with Rabbit Anti-Mouse-Thymus Serum. Theodore P. Kubista, Roy G. Shorter, and George A. Hallenbeck.

2077 Relation between 2-Deoxyglucose Phosphorylation and Adenine Nucleotide Content in Lettré Ascites Cells. H. Meisner.

2083 Light and Electron Microscope Studies of Organs and Tissues of the New Zealand Black (NZB/BL) Strain Mice with Lymphoid Leukemia and Autoimmune Disease. Tokichi Yumoto and Leon Dmochowski.

Continued on reverse side
Continued from previous page


2113 Effect of Heterologous Antilymphoid-Cell Serum on Tumor Isografts and Viral Leukemogenesis. Sven Bremberg, Eva Klein, and Jan Stjernswärd.

2119 Corticosteroid Production Rates in Strain 2 Guinea Pigs following L2C/NH Leukemia Transplantation. Shlomo Burstein and Eli M. Nadel.

2123 Studies on the Relationship of Hemadsorption by Normal Murine Spleen and Murine Tumors. Loren J. Humphrey.

2126 Studies on Passage of the Hemadsorbing Factor of Murine Tumors to Normal Cell Cultures. Loren J. Humphrey.


2137 Ultrastructure of Spontaneous Hyperplastic Nodules in Mouse Liver. Edward Essner.


2159 Invasion of Skeletal and Smooth Muscle by L1210 Leukemia. David Brandes, Elsa Anton, and Brian Schofield.

2179 Cytochemical Studies on the Mouse Mammary Tumor Virus. Gilbert H. Smith.


2201 The Antineoplastic and Biochemical Effects of Some 5-Fluoropyrimidines. Alan C. Sartorelli and William A. Creasey.

2207 Studies on the Growth and Regression of a Transplantable Moloney Sarcoma. A. Fefer, J. L. McCoy, and J. P. Glynne.

2212 The Effect on Prolonged Ischemia upon Regional Energy Reserves in the Experimental Glioblastoma. Wolff M. Kirsch, Demoy Schulz, and J. Wayne Leitner.

2221 Comparative Studies of the Nucleoli of Morris Hepatomas, Embryonic Liver, and Aflatoxin B 1-treated Liver of Rats. Tadao Unuma, Harold F. Morris, and Harris Buseh.

2234 Effect of Methyl Methanesulfonate on Macromolecular Biosynthesis in P388F Cells. Brian W. Fox and Margaret Fox.

2240 American Association for Cancer Research: Honorary Memberships and Certificates of Award for 1967.

2244 Book Reviews.

2247 Announcements from the Editor.

2248 Announcement.

COVER LEGEND

The Imperial Cancer Research Fund was inaugurated as a conjoint enterprise of the Royal College of Physicians of London and the Royal College of Surgeons of England on July 4, 1902. The Fund ranks as the oldest continuous research institute devoted to cancer in Great Britain. The laboratories are now located at Lincoln's Inn Fields, London. A plan for the study of cancer, known as the “Draft Scheme,” was devised by Dr. E. F. Bashford (1873-1923) the first director, 1902-1914. This Scheme outlined the aims of the program along statistical, experimental, and, to a lesser extent, clinical lines (cf. pp. 306-314 in M. B. Shimkin, Thirteen Questions: Some Historical Outlines for Cancer Research, J. Natl. Cancer Inst., 19: 295-328, 1957).

The pioneer laboratory investigators associated with the Fund in its initial period are shown in a 1909 group photograph. In the first row (left to right) are: W. H. Bowen; B. R. G. Russell; M. Haaland; E. F. Bashford; J. A. Murray (1873-1950) who succeeded Bashford as director in 1914; C. Da Fano; F. Medigrazia; and W. H. Woglom. In 1935, W. E. Gye, not shown in the photograph, became the third director of the Fund’s research laboratories.
