Contents


1625 Auditory Canal Structures in Rats as Altered by Aging and by the Administration of Tris(p-aminophenyl)carbinol Pamoate. James L. Schardein and Donald H. Kaump.

1633 Significance of Newborn Age and Dose of Urethan in Leukemogenesis. S. D. Vessellnovertch and N. Mihailovich.

1638 The Carcinostatic Activity of α-(N)-Heterocyclic Carboxaldehyde Thiosemicarbazones. II. 3-Hydroxy pyridine-2-carboxaldehyde Thiosemicarbazone. Frederick A. French and Erwin J. Blanz, Jr.


1648 Aging and Cancerogenesis. III. Effect of Age on Isoantibody Formation. Tadao Aoki and Morris N. Teller.

1653 Induction of Dihydrofolate Reductase Activity by SV40 and Polyoma Virus. Peter M. Frearson, Saul Kit, and D. R. Dubbs.

1661 Action of 1-β-n-Arabinofuranosyl-5-fluorocytosine on the Nucleic Acid Metabolism and Viability of HeLa Cells. Jae Ho Kim, Maxwell L. Edidionfo, and Jack J. Fox.


1717 The Metabolism of 4-Nitroquinoline-1-Oxide, a Carcinogen. III. An Enzyme Catalyzing the Conversion of 4-Nitroquinoline-1-Oxide to 4-Hydroxyaminopyrindine-1-Oxide in Rat Liver and Hepatomas. Takashi Sugimura, Kazuko Okabe, and Mnako Naga.


1734 The Interconversion of Lactate and Pyruvate and Its Effect on the Apparent Oxidative Decarboxylation of These Substrates in Normal Tissue and Ascites Tumor Cells. Dalia Ram, Ruth Navon, and Leah Bloch-Frankenthal.

1740 The Localization of Aminofluorene Sulfonic Acids-34S in Mouse Tumor and Host Tissues. Francis E. Ray and Krishna C. Agrawal.

Continued on reverse side
Continued from previous page


1759 The Pathology of Tumors and Other Lesions Induced in Rodents by Virus Derived from a Rat with Moloney Leukemia. F. C. Chesterman, J. J. Harvey, R. R. Dourmashkin, and M. H. Salaman.

1769 Modification of Radiosensitivity by Porphyrins. II. Transplanted Rhabdomyosarcoma in Mice. Leon Cohen and Samuel Schwartz.

1774 The Role of Sialic Acid in the Release of Proteins from L1210 Leukemia Cells. J. Leslie Glick, Allan R. Goldberg, and Arthur B. Pardee.

1778 Use of Lactate Dehydrogenase as a Marker in Rat-Mouse Chimera Studies. Louis V. Kaufman and K. Bruce Jacobson.


1826 Books Received.

COVER LEGEND

Erwin Frink Smith (1854–1927). Although he believed crown gall tumors, and perhaps also animal tumors, to be bacterial hyperplasias, he nevertheless was largely responsible for the isolation of Agrobacterium tumefaciens (Smith and Townsend) Conn, a soil microbe capable of inducing non-self-limiting tumors in many plant species. He described crown gall in 1907 (Science, 85: 671, 1907), and this remains an important model for experimental oncology. Smith was President of the American Association for Cancer Research in 1924–1925.

The photograph of the daisy tumors appeared in Bull. U. S. Dept. Agrie. No. 213 (1911). The portrait is from a memoir of Smith (Nat. Acad. Sci., XXI, 1939). We are indebted to Dr. Jacques Lipetz of Manhattan College for the material.
Cancer Research

26 (8 Part 1)


Updated version
Access the most recent version of this article at:
http://cancerres.aacrjournals.org/content/26/8_Part_1.citation

E-mail alerts
Sign up to receive free email-alerts related to this article or journal.

Reprints and Subscriptions
To order reprints of this article or to subscribe to the journal, contact the AACR Publications Department at pubs@aacr.org.

Permissions
To request permission to re-use all or part of this article, contact the AACR Publications Department at permissions@aacr.org.