Contents

883 Mammary Neoplastic Response of Lewis and Sprague-Dawley Female Rats to 7,12-Dimethylbenz(a)anthracene or X-ray. Claire J. Shellabarger.

886 Increased Activity of Polynucleotide Ligase from Rat Hepatoma Induced by N-2-Fluorenylacetamide. Kinji Tsukada, Shigeru Hokari, Nobuko Hayasaki, and Nobuyuki Ito.


898 The Immunogenic Activity of Tumor Antigens Retained by the Reticuloendothelial Cells of Tumor-bearing Mice. Jan Vaage.


908 Malignant Tumors in Rats Given Lasiocarpine. Donald J. Svoboda and Janardan K. Reddy.


921 Unexpected Toxicity in Patients Treated with Iphosphamide. Jacobus J. van Dyk, Hendre C. Falkson, Alma M. van der Merwe, and Geoffrey Falkson.

925 Studies on Nucleoli and Cytoplasmic Fibrillar Bodies of Human Hepatocellular Carcinomas. Karel Smetana, Ferenc Gyorkey, Phyllis Gyorkey, and Harris Busch.


943 Polyribosome Disaggregation in Rat Liver following Administration of the Phytotoxic Proteins, Abrin and Ricin. Jung-Yaw Lin, Chia-Chu Pao, Shyr-Te Ju, and Ta-Cheng Tung.

948 Microdiver Studies on the Respiration of Burkitt Lymphoma Cells (EB-3). J. D. Lutton and M. J. Kopac.

952 Binding of Chemical Carcinogens to Nuclear Proteins of Rat Liver. Richard A. Jungmann and John S. Schwepe.


968 Feeding Response to Change in Absorbable Food Fraction during Growth of Walker 256 Carcinosarcoma. S. D. Morrison.

973 Effect of Enzyme Induction on the Metabolism of Benzo(a)pyrene and 3'-Monomethylaminozobenzene in the Pregnant and Fetal Rat. Richard M. Welch, Barbara Gommi, Alvito P. Alvaro, and A. H. Conney.


Müller founded the Archiv für Anatomie, Physiologie, und Wissenschaftliche Medicin, later known as Müller’s Archiv, in 1934. He received the Copley Medal of the Royal Society of London.

Müller voiced the prevalent opinion that cancer was a local disease, independent of the organism. This position was widely shared at the time. Müllers studies were conducted within the framework of the prevailing blastema theory of cell genesis which held that “globules,” the basic structural element, arose within an amorphous material, blastema, by coagulating into a nucleus around which the rest of the cells formed, in effect, a theory of spontaneous generation. This work was a departure from the prevailing opinion that cancer was a general disease and the tumor a local manifestation. One of the younger men early learned to think in terms of cellularity. (R. Virchow wrote of his teacher’s influence, “... he (Müller) was the first to give the cell concept a broad application to pathology in that he directed it upon the study of tumors … We younger men early learned to think in terms of cellularity.” (R. Virchow, Archiv Pathol. Anat., 87: 389, 1882, from Hans G. Schnüller, Origins of the Cell Concept in Pathology, Arch. Pathol., 37: 396-407, 1944).

Müller founded the Archiv für Anatomie, Physiologie, und Wissenschaftliche Medicin, later known as Müller’s Archiv, in 1934. He received the Copley Medal of the Royal Society of London.

He is shown on the cover in an 1858 photograph which was kindly supplied by Dr. Peter Och, National Library of Medicine, Bethesda, Maryland. The cancer cells are sketched after Figs. 6 and 7 of Müller’s work which contains the first reproduction of cancer cells. The original figures are supplied through the courtesy of the New York Academy of Medicine Library.

Updated version Access the most recent version of this article at: http://cancerres.aacrjournals.org/content/32/5.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.