

News

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**** Dr. Henry Kaplan speaks on Human
"Antibody Factories" at UTHSCD

DALLAS--A Stanford University researcher who recently announced production of a human line of antibody-producing cells will lecture on the subject at The University of Texas Health Science Center at Dallas Nov. 5 at 4 p.m. Dr. Henry S. Kaplan, professor of radiology and director of the Cancer Biology Research Laboratory at Stanford University Medical Center, will present the faculty seminar on "Human-Human Monoclonal Hybridoma Antibodies" in the Zale Lecture Hall (Room D1.600).

Kaplan with Dr. Lennart Olsson, also of Stanford, has created hybridomas (hybrid cells) with spleen cells from patients with Hodgkin's disease and cancerous bone-marrow cells. The spleen cells were already making antibodies to the chemical dinitrochlorobenzene. The hybrid cells retain the spleen cells' ability to manufacture the antibody and the malignant cells' ability to clone, producing identical copies of themselves.

While this particular antibody is not especially useful, the hybridoma technique for producing monoclonal antibodies is useful in studying cancer and other immunity-related diseases.

An international authority on Hodgkin's disease, Kaplan was named Maureen Lyles D'Ambrogio Professor of Radiology at Stanford University in 1972. As department chairman and professor of radiology at Stanford from 1948 to 1972 and now as director of the cancer biology lab, he has been active in clinical and basic cancer research. One of his most important discoveries is that in mice exposed to X-rays or certain chemicals leukemias and lymphomas are induced by a latent leukemogenic virus, activated by the physical or chemical agents. He now leads a search for similar viruses in tissue cultures of human lymphomas.

In 1971 Kaplan received the de Villiers Award from the Leukemia Society of North America. In 1969 he won the Atoms for Peace Award, the only physician to be so honored. In 1972 he became the first radiologist to be elected to the National Academy of Sciences, and in the same year he received the Annual

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National Award of the American Cancer Society. In 1979 he was awarded the first Kettering Award from the General Motors Cancer Research Foundation.

Kaplan will be hosted on campus by Dr. Eugene Frenkel, director of the Cancer Center.

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