

Boston University

OpenBU

<http://open.bu.edu>

BU Publications

University Hospital News: Press Releases

1989-07

University Hospital News: July 1989 no. 10

<https://hdl.handle.net/2144/20252>

"Downloaded from OpenBU. Boston University's institutional repository."



1839 | 1989

BOSTON UNIVERSITY
SESQUICENTENNIALBoston University
School of Medicine

Office of Media Relations
Betty Russell, Director
720 Harrison Avenue
Suite 909
Boston, MA 02118-2393
617 638-8491

NEWS

For Immediate Release
July 1989

Contact: Sarah Downey
(617) 638-8491

BUSM PROFESSOR RECEIVES AMERICAN CANCER SOCIETY GRANT

Boston, Mass.--Hugues J.P. Ryser, M.D., a professor of pathology at Boston University School of Medicine (BUSM), recently was awarded a research grant by the National Office of the American Cancer Society (ACS) to support his study of particle membrane transport. Entitled "Activation of Endocytosed Drug Carriers," Ryser's research project will provide the foundation for optimal clinical use of anti-cancer immunotoxins.

Endocytosis is a mechanism by which particles too large to cross the cell membrane can gain alternate access to the cell. This process can be exploited to carry anti-cancer drugs into cells, and potentially to tumor cells. A promising development in this area is the endocytosis of hybrid macromolecules, which involves linking an anti-tumor antibody carrier to a powerful toxin that becomes active upon intracellular processing and selectively destroys cancer cells. Ryser's research is directed at discovering where and how this activation process occurs in the cell, using model macromolecules synthesized in his laboratory.

The three-year, \$319,000 award resulted from a nation-wide competition and was based on the recommendations of the ACS peer review advisory committees, the Council for Research and Clinical Investigation Awards and the Research and Clinical Investigation Committee of the National Board of Directors.

Ryser received his medical degree and doctorate in medicine from the University of Berne, Switzerland. He has been on the BUSM faculty since 1972. He has been a member of the ACS Board of Directors, Massachusetts division, since 1983, serving on the Medical Research Committee, the Professional Committee and the Public Issues Committee.