

The Department of Pathology and Molecular Medicine invites you to meet Professor Keppler and celebrate the contributions of Nathan Kaufman at a reception, to follow the lecture, at the University Club.

Previous Kaufman Lecturers

- 2003 Ulf Lindahl, Uppsala University, Uppsala, Sweden
- 2002 Janet Rossant, Samuel Lunenfeld Research Institute, Mount Sinai Hospital, Toronto
- 2000 Errol Friedberg, Southwestern Medical School, TX



**THE FOURTH NATHAN KAUFMAN
VISITING LECTURER**

PROFESSOR DR. DIETRICH KEPPLER

Professor Keppler is a Senior Investigator at the German Cancer Centre, Heidelberg, Germany and Professor Department of Biochemistry, University of Heidelberg, Heidelberg, Germany.

**“Transport Into and Out of the Liver:
Molecular Basis and Pathobiology”**

Thursday, November 4, 2004
1600 hours (4:00 p.m.)
Richardson Amphitheatre
Queen's University

Sponsored by
The Nathan Kaufman Lectureship and Visiting Speaker Trust Fund and The Department of Pathology and Molecular Medicine, Queen's University

The Nathan Kaufman Lectureship

Nathan Kaufman was born in Lachine, Quebec and educated at McGill University graduating with a medical degree in 1941. He interned at the Royal Victoria Hospital and then served as a Medical Officer to a tank battalion in Western Europe and was honoured with an MBE. After 18 months as a pathology resident at the Jewish General he moved with his wife Rita to the Cleveland Metropolitan General Hospital to complete his residency. He then joined the Faculty at Case Western and quickly began a successful and satisfying career in iron metabolism research, medical education and laboratory administration. In 1967 after 7 years as a Professor at Duke University, he was persuasively recruited by Dean Harry Botterell to succeed Bob More as the Head of Pathology at Queen's.

His accomplishments here have been numerous. They include the development of the NCIC Cancer Research Unit, recruitment and nurturing of most our senior faculty, distinguished service to senior committees of the Hospital, University and the MRC, and expansion of our scholarly productivity and our residency program. During his 12 years at Queen's, Dr. Kaufman became internationally recognized for his distinguished leadership as Editor of Laboratory Investigation, President of the US-Canadian Academy of Pathology and the International Academy of Pathology. On leaving Queen's he moved to Augusta as the first full-time secretary/treasurer of the USCAP. He has been recognized by the USCAP for his numerous contributions, most recently with the annual Nathan Kaufman Timely Topics Lecture.

Through this lectureship the Department honours Nathan Kaufman's extraordinary influence in shaping the scholarly life of our department and his contribution to our specialty internationally.

Prof. Dr. Dietrich Keppler

Dietrich Keppler studied medicine and joined the Biochemistry Department of the University of Freiburg, Germany, in 1966. In 1987 he became Head of the Division of Tumor Biochemistry of the German Cancer Research Center and Professor at the University of Heidelberg. His research interests have included molecular mechanisms of liver injuries, particularly galactosamine-induced hepatitis, and the metabolism and transport of leukotrienes. Studies by his group contributed to the molecular identification, cloning, and characterization of several export pumps of the multidrug resistance protein (MRP, ABCC) subfamily. More recent work has included uptake transporters of the organic anion transporter (OATP) family, particularly in liver, and the generation of multiple transfected polarized cells stably expressing uptake transporters in the basolateral membrane and the ATP-dependent export pump MRP2 in the apical membrane. These cell lines enable *in vitro* studies on vectorial transport of endogenous substrates, drugs, and drug candidates.