

The Department of Pathology invites you to meet Janet Rossant and celebrate the contributions of Nathan Kaufman at a reception, to follow the lecture, at the University Club.

Previous Kaufman Lecturer

2000 Errol Friedberg, Southwestern Medical School, TX



**THE SECOND NATHAN KAUFMAN
VISITING LECTURER**

DR. JANET ROSSANT

Dr. Rossant is Joint Head, Program in Development and Fetal Health at the Samuel Lunenfeld Research Institute, Mount Sinai Hospital, Toronto; and Professor in the Department of Molecular and Medical Genetics and the Department of Obstetrics/Gynecology, University of Toronto

**"Signalling Pathways in Early Mouse
Development"**

Thursday, January 10, 2002
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, 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 of 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.

Dr. Janet Rossant

Dr. Janet Rossant is Joint Head, Program in Development and Fetal Health at the Samuel Lunenfeld Research Institute, Mount Sinai Hospital, Toronto. Her research interests centre on understanding the genetic control of normal and abnormal development in the early mouse embryo. She uses powerful techniques to genetically manipulate the mouse genome to address these problems. Recently, her research has moved in two new directions. First, stem cell research, with her discovery of the novel placental trophoblast stem cell. Second, genome-wide functional genomics through the direction of the Centre for Modelling Human Disease in Toronto, which is undertaking genome-wide mutagenesis in mice to develop new models of human disease.

Dr. Rossant trained at the Universities of Cambridge and Oxford and has been in Canada since 1977 at Brock University and then Toronto. She is a Fellow of the Royal Societies of London and Canada, an International Scholar of the Howard Hughes Medical Institute and a Distinguished Scientist of the Canadian Institutes of Health Research.

Dr. Rossant is actively involved in the international developmental biology community. She was Editor of the journal *Development*, organizer of a number of international developmental biology meetings, including the International Developmental Biology Congress in 1997, President of the Society for Development Biology in 1996/97, and Chair of the CIHR working group on stem cell research.

Rossant, J., Cross, J. C. 2001. Placental development: lessons from mouse mutants. *Nature Review Genetics*. 2:538-548
Tanaka, S., Kunath, T., Hadjantonakis, A. K., Nagy, A., Rossant, J. 1998. Promotion of trophoblast stem cell proliferation by FGF4. *Science* 282: 2072-5.