

RONALD H. KLUGER

PROFESSOR

DEPARTMENT OF CHEMISTRY, UNIVERSITY OF TORONTO

TORONTO, ONTARIO M5S 3H6

Education

Columbia University, A.B., 1965; chemistry major (*magna cum laude*)

Harvard University, A.M., 1966, Ph.D., 1969; organic chemistry

Research Training

Columbia University (1962-1965) with Gilbert Stork (synthetic organic chemistry)

Harvard University (1965-1966) with E. R. Blout (biophysical chemistry)

Harvard University (1966-1969) with F. H. Westheimer (physical organic chemistry)

Brandeis University (1969-1970) with R. H. Abeles (enzymology)

Awards and Fellowships

Alfred P. Sloan Foundation (USA), Fellow (1973-1975)

Chemical Institute of Canada, Merck Sharp & Dohme Award (1983); organic chemistry

Chemical Institute of Canada, Fellow (1983)

Canadian Society for Chemistry, Labatt Award (1990); biological and medicinal chemistry

University of Toronto, Dales Award (1993); achievement in medical research

Canadian Society for Chemistry, Syntex Award (1994); medicinal/mechanistic organic chemistry

Canadian Society for Chemistry, Alfred Bader Award (1996); organic chemistry research

American Association for the Advancement of Science, Fellow (1996)

Royal Society of Canada, Fellow (1999)

Canadian Society for Chemistry (Organic Division), Lemieux Award (2001); organic chemistry research

Chemical Institute of Canada, The CIC Medal (2006); annual award "for an outstanding contribution to the science of chemistry or chemical engineering in Canada"

Scientific Societies

Chemical Institute of Canada (Biological Chemistry Division Treasurer (1982-1983); Councilor, 1983-1985)

Canadian Society for Chemistry, *Biological Chemistry Division Representative* (1985-1986);

Director for Scientific Affairs (1985); Director for Publications (1985-1986)

American Chemical Society

American Association for the Advancement of Science

Royal Society of Canada

Academic Positions

University of Chicago Assistant Professor (1970-1974)

University of Toronto Assistant Professor (1974-1976)

University of Toronto Associate Professor (1976-1980)

University of Toronto Professor (1980-)

Editorial Boards

Bioorganic Chemistry (1984 -)

Canadian Journal of Chemistry (1997 - 2001)

Current Research Support

Natural Sciences & Engineering Research Council, Discovery Grant: Mechanisms related to enzyme catalysis

Natural Sciences & Engineering Research Council, Strategic Grant: Oxygen Therapeutics
Principal Investigator with Professor A. G. Baines.

Current Research Interests and Activities

Altered hemoglobins - relating physiology to structure (collaboration with A. G. Baines (Clinical Biochemistry))

Aminoacyl phosphate esters: biomimetic peptide and ribosyl peptide synthesis

Thiamin-derived intermediates in enzymic and nonenzymic processes