

Aser Rothstein Lecture

PETER GILGAN CENTRE FOR RESEARCH AND LEARNING • MAIN AUDITORIUM



“Translational control of cancer and Fragile-X syndrome via eIF4E.”

Dr. Nahum Sonenberg

April 5th, 2018
PGCRL Auditorium
4:00 – 5:00 p.m.

Host: Dr. Julie Forman-Kay

Reception to follow in the Gallery
(cash bar)

Dr. Nahum Sonenberg serves as the *Gilman Cheney Chair* in the Department of Biochemistry and the Rosalind and Morris Goodman Cancer Research Centre at McGill. Dr. Sonenberg studies the molecular basis of the control of protein synthesis in eukaryotic cells and its importance in diseases such as cancer, obesity, diabetes and neurological diseases. His research focuses primarily on the elucidation of the mechanism of translation initiation in eukaryotes and its regulation during development, differentiation and neoplasia. Dr. Sonenberg carried out pioneering and fundamental work that laid the basis for the understanding of how translation initiation factors promote ribosome binding, and the regulation of initiation factor activity by extracellular stimuli (growth factors, hormones, G-protein-coupled receptor agonists, cytokines and mitogens), and viruses. He made seminal discoveries demonstrating that control of translation initiation is implicated in cancer, learning and memory, autism and fragile X-syndrome.

This lecture will be streamed throughout the Peter Gilgan Centre for Research and Learning interactive screens

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