

TRAINEE LUNCH

VISITING SPEAKER SERIES



Friday, April 15, 2016
1:15PM

SR415
Kleysen Institute for Advanced Medicine

DR. MICHAEL SALTER

CHIEF OF RESEARCH
THE HOSPITAL FOR SICK CHILDREN

Dr. Salter's main research focus is on synaptic physiology, in particular in relation to pain, and he has done groundbreaking work that has led to new paradigms about neuroplasticity and about how synaptic transmission in the central nervous system is regulated by biochemical processes within neurons and by glial-neuronal interactions. His discoveries have broad implications for the control of cell-cell communication throughout the nervous system and his work has regularly appeared in elite journals including *Nature*, *Science*, *Cell*, *Nature Medicine* and *Neuron*. Dr. Salter has a broad interest in neuroscience and his work relevant to learning and memory, stroke-induced neuron death, epilepsy and schizophrenia. As a distinct line of research, he and his collaborators reported in *Cell* in 2006 their discovery of a previously unsuspected role for sensory neurons in the pathogenesis of diabetes and in the control of glucose homeostasis.