

**Trent University
Chemistry/Physics Seminar Series**

Dr. Deeba Khan

Department of Neurophysiology and Neuropharmacology

Medical University of Vienna

Wednesday, March 22, 2017

11:00 a.m. to 11:50 a.m.

Science Complex Room 115

Depression is a debilitating mental disease that affects a large percentage of the population worldwide. Our current medical and scientific understanding of its pathophysiological mechanisms remains incomplete. Prenatal infections and the activation of the maternal immune system (MIA) during gestation are consistently linked to the development of neuropsychiatric disorders in offspring such as schizophrenia and autism. However, the role of MIA in depression is insufficiently investigated. By inducing MIA in mice using a synthetic analogue of viral infection, we are trying to understand depression-like behavioural phenotypes and their associated neurophysiological and neurochemical alterations in the brains of the offspring.

All Welcome!