Presenter Bio
Please include your full name, credentials, degrees and information about your position and place of employment. **Please send a copy of your CV along with this completed form**.

Dr. Mahavir Agarwal is an Associate Professor in the Department of Psychiatry at the University of Toronto and a Clinician-Scientist in the Schizophrenia Division at the Centre for Addiction at Mental Health (CAMH), Toronto. He is also the Medical Head for Clinical Research in the Schizophrenia Division and leads the Metabolic Clinic and the Clozapine Clinic at CAMH.

Dr. Agarwal's research interest lies in understanding the mechanisms underlying metabolic and cognitive dysfunction in severe mental illness with specific focus on insulin signaling in the brain, and in discovering new treatments for these abnormalities. He has won several international research awards, has over 85 publications, and his research program has been funded by generous support from several federal and provincial agencies including the Canadian Institutes of Health Research (CIHR), PSI Foundation, and the University of Toronto.

Name and Narrative Description of your Presentation
Please determine if it is introductory, intermediate, or advanced.

Insulin, Glucose, and the Brain: What does this mean for persons with Schizophrenia.

Intermediate. The talk will focus on the evidence demonstrating relationships between insulin action in the brain and schizophrenia pathophysiology, and how this can lead to newer treatments.

Three (3) learning objectives
By the completion of this session, participants should be able to:
1) Recognize the historical overlap between metabolic health and schizophrenia pathophysiology
2) Identify the evidence demonstrating bidirectional relationships between insulin action in the brain and schizophrenia pathophysiology
3) Describe how addressing this overlap can lead to newer therapeutic strategies

Three (3) current (within the past 10 years) *peer-reviewed* **publications that support the evidencebase for the content of your presentation**

Publications must be listed in American Psychological Association (APA) Style (see **www.apastyle.org** for more information).

APA format for journal article citation:
Author last name, Author First Initial. Author Second Initial. (Publication Year). Title of article. *Title ofJournal. volume(issue)* (if issue numbered), pages.

1. **Agarwal SM**, Stogios N, Ahsan ZA, Lockwood JT, Duncan MJ, Takeuchi H, Cohn T, Taylor VH, Remington G, Faulkner GE J, Hahn M. Pharmacological interventions for prevention of weight gain in people with schizophrenia. Cochrane Database of Systematic Reviews 2022, Issue 10. Art. No.: CD013337. DOI: 10.1002/14651858.CD013337.pub2.

2. **Agarwal SM**, Kowalchuk C, Castellani L, Costa-Dookhan K, Caravaggio F, Asgariroozbehani R, Chintoh A, Graff-Guerrero A, Hahn M. Brain insulin action: implications for the treatment of schizophrenia. Neuropharmacology. 2020 May 15;168:107655

3. **Agarwal SM**, Caravaggio F, Castellani L, Kowalchuk C, Costa-Dookhan K, Graff-Guerrero A, Hahn M. Brain insulin action in the disease and treatment of schizophrenia: something borrowed and something new. Neuropharmacology. 2020 Feb;163:107633.