LUCID Partners with USC to Investigate a Personalized Music Intervention in Addressing Neuropsychiatric Symptoms for People with Dementia

September 8, 2023 (Toronto, Ontario) - LUCID proudly announces its partnership with the University of Southern California (USC) to investigate the therapeutic potential of familiar music in addressing neuropsychiatric symptoms among individuals living with dementia.

Alzheimer's disease affects millions of individuals worldwide and can present challenges for patients, their loved ones, caregivers, and healthcare providers. One of the most distressing aspects of this disease is the emergence of neuropsychiatric symptoms, such as agitation and anxiety, which can severely impact the quality of life for those living with Alzheimer’s and their caregivers.

This collaboration between LUCID and USC aims to build upon existing research that examines whether music-based interventions, particularly those that leverage familiar music, can provide a non-pharmacological intervention to alleviate the neuropsychiatric symptoms associated with Alzheimer's disease and other dementias. LUCID’s cutting-edge technology combined with USC Dornsife's Brain and Creativity Institute creates an ideal synergy to further explore this promising avenue.

In this study funded by LUCID, a research team at USC Dornsife Brain and Creativity Institute led by Dr. Assal Habibi will conduct a randomized controlled trial on LUC-101, LUCID’s product which utilizes deep reinforcement learning and computer vision-derived biosignals to curate personalized playlists based on the individual's musical preferences and responses to specific music. This trial will assess the feasibility and efficacy of LUC-101 in people living with mild to moderate dementia and their caregivers.

About LUCID

LUCID develops therapeutic music experiences for mental health and wellness. By leveraging the capabilities of music, AI, and biometrics, LUCID delivers personalized music therapies optimized for specific outcomes. LUCID strives to create evidence-based and accessible solutions to foster mental wellbeing. Through extensive research and testing, LUCID is committed to scientifically validating music as medicine.

About the USC Brain and Creativity Institute
Brain and Creativity Institute (BCI) is a research unit of the Dornsife College of Letters, Arts and Sciences at the University of Southern California. Through world-class research, the Los Angeles-based research institute pursues wide-ranging interdisciplinary projects aimed at contributing to current knowledge in the fields of neurology, psychiatric disorders, childhood development, and education.

The Brain and Music Program at the Brain and Creativity Institute is an interdisciplinary study of music, psychology, and neuroscience. Using techniques such as Electroencephalography (EEG), functional, structural, and diffusion-weighted neuroimaging (MRI), and psychometric measures, the group aims to answer a wide variety of questions related to how music listening and playing interacts with and influences the brain throughout the lifespan.