

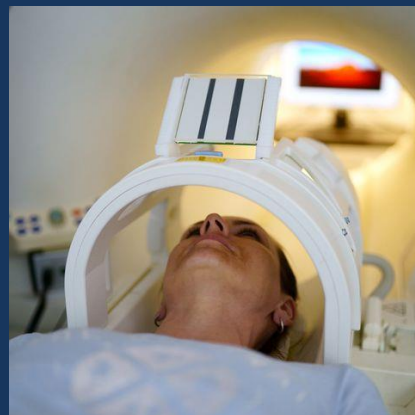
With Live Translation

Free International Webinar on:

## Relapse Prevention: Motivational Components and Outcomes of Real-Time fMRI Brain Training

### Abstract

Relapses following treatment for addictions are common. Research has revealed important differences between those who relapse and those who do not. Non-relapsers have more positive changes and fewer negative changes in various life areas (e.g., relationships, employment, education) than relapsers. Non-relapsers are also better able to develop satisfying substitute goal-pursuits to take the place of using an addictive substance. Functional imaging studies have demonstrated neural mechanisms of craving, habit formation and other behavioral components of addiction. Neurofeedback using *real-time* Functional Magnetic Resonance Imaging (fMRI) signals now provides an opportunity to modify these brain activation patterns with therapeutic aims. The current state of neurofeedback treatments for addiction will be reviewed, and their relationship with other neuromodulation techniques will be discussed.



### Profile of Professor W. Miles Cox



W. Miles Cox was consultant to BRAINTRAIN and is Emeritus Professor of Psychology at Bangor University. His research program focuses on the interplay between drinkers' incentives in other life areas and their motivation to drink alcohol. Cox is (a) Founding Editor of Psychology of Addictive Behaviors (APA), and (b) Past President of the APA Division on Addictions. Professor Cox's research is presented in: Cox, W. M., & Klinger, E. (Eds.). (2011). *Handbook of motivational counseling: Goal-based approaches to assessment and intervention with addiction and other problems* (2nd ed.). Wiley-Blackwell.

### Profile of Professor David Linden



David Linden, coordinator of BRAINTRAIN and Director of the School for Mental Health and Neuroscience at Maastricht University, is an academic psychiatrist with interest in clinical applications of neuroimaging, neurophysiology and transfer technologies. He obtained a DPhil from the University of Oxford for his work on medical ethics in antiquity and a PhD in neuroscience at the Max Planck Institute for Brain Research. Professor Linden is the author of "*The Biology of Psychological Disorders*" (2012) and "*Brain Control*" (2014) and has developed and evaluated fMRI-neurofeedback protocols for psychiatric (depression) and neurological (Parkinson's disease) disorders.

**Date: 9<sup>th</sup> January 2021 at 12:30 pm London, 4:00 pm Tehran.**

**To register for the webinar**, please send an email to [FEP.International@um.ac.ir](mailto:FEP.International@um.ac.ir). Upon your successful registration, you will receive a link to the webinar in Skype. Registration will close on 12:00 pm 7<sup>th</sup> of January 2021. The webinar will be facilitated by **Professor Javad Salehi Fadardi**, director of international affairs, School of Education and Psychology, Ferdowsi University of Mashhad.

