

Assoc. Prof. Dr. Anthony Lim Lee Wei

Position: Assistant Professor
University: The University of Hong Kong
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Education:

PhD (Neuroscience), Maastricht University, The Netherlands.

M.SSc. (Affective Neuroscience), Maastricht University, the Netherlands and Florence University,

Italy. MD, Crimean State Medical University, Ukraine.

Teaching:

Neuroanatomy, Fundamental and Behavioral Neurosciences

Brief Employment History:

Crimean State Medical University, Ukraine : Clinical Research Associate

Maastricht University, The Netherlands : DELTA-II Scholar, Marie Curie Fellow, and Kootstra Fellow

Oxford University, UK : Research Fellow

Nanyang Technological University, Singapore : Lee Kuan Yew Research Fellow

Research Interests:

My research focuses on the basic and translational neuroscience using the existing neuromodulatory treatments of deep brain stimulation for neurodegenerative and neuropsychiatric disorders. More specifically, my interests are directed towards understanding the neural basis of mood and anxiety disorders (depression, panic disorder and phobia), as well as learning and memory behaviours in neurodegenerative disorders. The plan of investigation consists of different inter-related sections using cellular and molecular techniques, electrophysiology, behavioral and neurochemical methods, which together provide a multidisciplinary approach to understand how electrical stimulation interfaces with the brain networks, by controlling the neuronal activity and cellular microenvironment.

Selected Publications:

http://scholar.google.nl/citations?hl=en&user=PPBKGEcAAAAJ&view_op=list_works&pagesize=100

1. Lim LW, Janssen ML, Kocabicak E, Temel Y., The Antidepressant Effects of Ventromedial Prefrontal Cortex Stimulation is Associated with Neural Activation in The Medial Part of The Subthalamic Nucleus, *Behav Brain Res*, 13;279C:17-21, 2014.
2. S Heschem, LW Lim, A Jahanshahi, A Blokland, Y Temel., Deep Brain Stimulation in Dementia Related-Disorders?, *Neurosci Biobehav Rev*, 37:2666–2675, 2013.

3. S Hesham, LW Lim, A Jahanshahi, HWM Steinbusch, A Blokland, Y Temel., Deep Brain Stimulation of The Forniceal Area Enhances Memory Functions in Experimental Dementia: The Role of Stimulation Parameters, *Brain Stimul*, 6(1):72-7, 2013.
4. Lim LW, Blokland A, Tan S, Vlamings R, Sesia T, Aziz-Mohammadi M, Visser-Vandewalle V, Steinbusch HW, Schruers K, Temel Y., Attenuation of Fear-Like Response by Escitalopram Treatment After Electrical Stimulation of The Midbrain Dorsolateral Periaqueductal Gray, *Exp Neurol*, 226(2):293-300, 2010.