You are invited to attend a seminar by Professor Perry F Bartlett AO, FAA

Director, Queensland Brain Institute
The University of Queensland, Brisbane

Title
Activation of Different Neurogenic Precursor Populations in the Hippocampus: Potential for Dementia and Depression Therapy

The production of new neurons in the hippocampus is thought to underpin aspects of learning and memory and the rate of neurogenesis is influenced by environmental stimuli. Thus, defining how neurogenesis is regulated is central to our understanding of the learning process and to the future development of neurogenic-based therapeutics aimed at ameliorating cognitive loss.

This seminar will present recent work from our laboratory on the activation of different pools of precursor and stem cells in the mouse hippocampus using different stimuli to increase newly born neurons with distinct properties, particularly in the aged mouse. This work provides a mechanism by which the functional capacity as well as the number of newly generated neurons can be directly influenced by the type of stimuli, uncovering the potential for significant neurogenesis in the ageing brain.

Event details
Date: Tuesday 28 June 2011
Time: 4 pm
Venue: Lecture Theatre
Building 207, Level 3, Room 2
RMIT Bundoora campus west
Clements Drive (off Plenty Road)
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