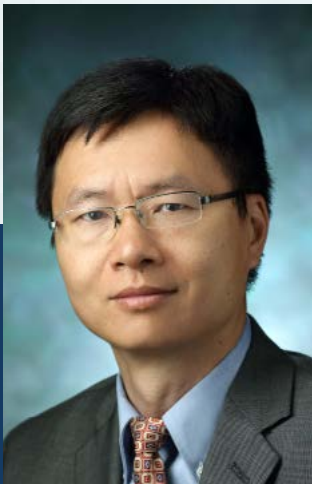




Centre for Healthy Brain Ageing (CHeBA) Visiting Lecture Series



Professor Hanzhang Lu Brain Vascular Function in Ageing and Cognitive Impairment

Date: Wednesday, 11 November 2020
Time: 10am - 11am (AEST)
Venue: Live on Zoom
Registration: bit.ly/CHeBAVisitingLectureNovReg

Talk Summary

Ageing results in profound changes in the brain's blood supply, energy metabolism and microvascular function. Cognitive impairment and dementia are associated with further detrimental changes. In this talk, Professor Lu will present recent results on how brain physiology is altered in ageing and cognitive impairment, using advanced magnetic resonance imaging (MRI) techniques. Studies using both human and animal subjects will be presented. The relationship between brain physiology and cognitive function as well as Alzheimer's pathological markers will be discussed.

Biography

Hanzhang Lu, PhD, Professor of Radiology, Chief of Neurofunction Section at Johns Hopkins University. Dr Lu's research is focused on understanding brain physiology and pathophysiology using non-invasive magnetic resonance imaging (MRI) techniques, with a special emphasis on their relationship to brain aging, cerebrovascular diseases, and cognitive impairment. Dr Lu is a Fellow of the International Society of Magnetic Resonance in Medicine (ISMRM), Fellow of the American Institute of Medical and Biological Engineering (AIMBE), and Distinguished Investigator of the Academy for Radiology & Biomedical Imaging Research (ARBIR). Dr Lu has published over 180 peer-reviewed journal articles with an h-index of 54 and a total citation of >11,000. He is also one of the PIs of the MarkVCID consortium funded by the NIH.