DukeNUS Medical School | Neuroscience & Behavioural Disorders

Invited Speaker Seminar Series

Mechanisms underlying adult neural stem cell quiescence exit

Abstract:
Maintaining a healthy proteome throughout life is critical for proper somatic stem cell function, yet the complexities of the stem cell response to increases in damaged or aggregated proteins remain unclear. Recently, we have found that adult neural stem cells (NSCs) utilize aggresomes to recover from disrupted proteostasis, using the intermediate filament vimentin as a spatial coordinator of proteasomes to the aggresome.

Biography:
Darcie Moore completed her PhD on CNS axon regeneration in Jeffrey Goldberg's lab at the University of Miami, Florida where she identified the KLF family as developmentally regulated transcription factors driving changes in axon growth ability. She performed her postdoc in the Sebastian Jessberger's lab at ETH/University of Zurich in Switzerland where she focused on adult neurogenesis and demonstrated the asymmetric segregation of cellular components during neural stem cell mitosis.

Speaker:	**Dr Darcie L. Moore, Ph.D.** Assistant Professor Department of Neuroscience University of Wisconsin-Madison USA
Host:	**Prof Zhang Suchun** Programme Director Neuroscience & Behavioural Disorders Programme, Duke-NUS
Date:	**8 October 2021, Friday**
Time:	**11:00am to 12:00pm**
Zoom Details:	**Join Zoom Meeting** https://nus-sg.zoom.us/j/84381987985?pwd=Qmx2UEFkTFYyem4vWkpyamx3SE5xUT09 Meeting ID: 843 8198 7985 Passcode: 128118
Contact Person:	Jacqueline Ho (jacqueline.ho@duke-nus.edu.sg) Neuroscience & Behavioural Disorders Programme, Duke-NUS

All are welcome, no registration is required.