

Biography

Sundaram Pakkiriswami is a post doctoral fellow in the Department of Integrative Biology and Physiology at University of Minnesota, Minneapolis, USA. He received his PhD in Biology from University of Western Ontario, London, Ontario, Canada. He has a broad scientific background in mitochondrial metabolism with specific training and expertise in various models including plants, algae, mice and mammalian cell cultures. He held strong interest in interdisciplinary sciences and worked towards the development of lab-on-a chip platform to detect exosomes at ACRI, Moncton, Canada. After securing a competitive New Brunswick Health Research Post-Doctoral Fellowship, research at Dalhousie University, Canada, include how lipotoxicity exacerbates metabolic dysfunction in mouse hearts lacking transcription factor EB (TFEB) and lipid phosphate phosphatase (LPP3). Current research in Dr Julia Liu lab investigates the calcium homeostasis in cardiac mitochondria of mice using the mutants defective in calcium transport into the matrix.