Welcome new Head of Department

With effect from February 1, 2018, A/Prof Lim Kah Leong has assumed headship at the Department. A warm welcome to A/Prof Lim and a big thank you to Prof Soong Tuck Wah for his tremendous contributions as previous Head of Department.

1st Symposium of MSC Cancer Program, "Mediators of Cellular Aging & Cancer Connecting Science & Medicine"

New Senior Management Committee

Head of Department
A/Prof Lim Kah Leong

Deputy Head of Department
A/Prof Reshma Taneja

Director of Operations
A/Prof Thiruma Valavan Arumugam

Director of Research
Prof Shen Han-Ming
A/Prof Lim Hsiu Kim, Lina (Deputy)

Director of Education
A/Prof Herbert Schwarz (Life Sciences)
A/Prof Celestial Yap (Clinical)
Dr Chen Zhixiong (Deputy)

Director of Finance and Compliance
A/Prof Manoor Prakash Hande

Muscle Biology in Health & Disease
Congratulations to Prof Shazib Pervaiz and the organizing committee for putting together a successful symposium on cancer science! Special thanks to Nurulhuda Nassir for helping out!

Visit website

Faculty Retreat

Physiology academic staff had a retreat on 26 February 2018 at Hotel Jen Orchard Gateway to discuss on where we are heading and how to move ourselves forward towards achieving academic (research & teaching) excellence.

Link to photo gallery

Safety Management Review Meeting

Department Safety and Health Committee organised a Safety Management Review Meeting on 19 March 2018 to review the department's safety performance in 2017 and plan actions for 2018.

Physiology in the News
Dr Eliza Fong and Prof Hanry Yu from the Department of Physiology, NUS, has engineered in vitro conditions conducive for culture of patient derived hepatocellular carcinoma through the use of 3D macroporous cellulosic sponge system. Their work was featured in The Straits Times on 28 February 2018 in an article entitled "Lab-grown liver tumours help Singapore scientists to develop anti-cancer drugs".

Read The Straits Times article

Dr Thai Tran's latest discovery on fighting the flu virus by blocking CD151 was featured on Channel NewsAsia Singapore Tonight 28 March 2018, Capital 95.8FM News 28 March 2018, BioSpectrum Asia 28 March 2018 and The Straits Times 12 April 2018. The multidisciplinary team from NUS YLLSoM showed that flu viruses can hijack CD151 proteins, and thereafter clone and multiply themselves before invading and colonising new victims.

Watch interview by Channel NewsAsia
Read BioSpectrum Asia article
Read The Straits Times article

Swee Liew-Wadsworth Research Publication Awards

New IT Committee

Welcome to new IT Committee with Dr Ivan Low, Arjun Raj Segar, Chong Pey Rou and Phoebe Koh on board.

For IT issues, please approach Arjun at ext. 15181 or email at phsars@nus.edu.sg.
Congratulations to the winners of Swee Liew-Wadsworth Research Publication Awards.

List of winners

Welcome new members

Welcome to Mr Arjun Raj Segar, who joins our Admin team as Senior Executive on 26 March 2018. He will manage and support our Department IT matters.

Congratulations to Dr Tee Wee Wei on his newborn child!

Recent Publications - Congratulations to all!

Generation of matched patient-derived xenograft in vitro-in vivo models using 3D macroporous hydrogels for the study of liver cancer

Abstract

Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018

Full text

Cubic membrane formation supports cell survival of amoeba Chaos under starvation-induced stress

Abstract

Dual role of autophagy in hallmarks of cancer

Abstract

Altered function of neuronal L-type calcium channels in ageing and neuroinflammation: Implications in age-related synaptic dysfunction and cognitive decline

Abstract

Differential Binding of Human ApoE Isoforms to Insulin Receptor is Associated with Aberrant Insulin Signaling in AD Brain Samples

Abstract

Vitamin D(3) Supplementation Reduces Subsequent Brain Injury and Inflammation Associated with Ischemic Stroke

Full text

Combination Therapy with Low-Dose IVIG and a C1-esterase Inhibitor Ameliorates Brain Damage and Functional Deficits in Experimental Ischemic Stroke

Abstract

H(2)S to Mitigate Vascular Aging: A SIRT1 Connection.

Full text

Notch signaling and neuronal death in stroke

Abstract

CD137L dendritic cells induce potent response against cancer-associated viruses and polarize human CD8+ T cells to Tc1 phenotype

Abstract
A FTH1 gene:pseudogene:microRNA network regulates tumorigenesis in prostate cancer
Full text

Molecular targets and anti-cancer potential of escin
Abstract

Cross Talk Between Cellular Redox State and the Antiapoptotic Protein Bcl-2
Pohl SÖ, Agostino M, Dharmarajan A, Pervaiz S. Antioxid Redox Signal. 2018 Feb 15. [Epub ahead of print] 
Abstract

Transcriptome Analysis Reveals Intermittent Fasting-Induced Genetic Changes in Ischemic Stroke
Abstract

Directed Differentiation of Adult Liver Derived Mesenchymal Like Stem Cells into Functional Hepatocytes
Full text

Triple negative breast cancer in Asia: An insider's view
Abstract

IL-23 (Interleukin-23)-Producing Conventional Dendritic Cells Control the Detrimental IL-17 (Interleukin-17) Response in Stroke
Abstract

TGFβ1-mediated suppression of cytochrome P450(CYP) induction responses in rat hepatocyte-fibroblast co-cultures
Abstract
Hippocampal area CA2: an emerging modulatory gateway in the hippocampal circuit
Abstract

Epigenetics: the panacea for cognitive decline?
Full text

Reactive Oxygen Species and Oncoprotein Signaling-A Dangerous Liaison
Abstract

Discovery of indolylpiperazinylpyrimidines with dual-target profiles at adenosine A2A and dopamine D2 receptors for Parkinson's disease treatment
Full text

Biophysical studies and NMR structure of YAP2 WW domain - LATS1 PPxY motif complexes reveal the basis of their interaction
Full text

Upcoming Events

1. Admin office and LT/LE Retreat - 21 June 2018
2. Safety and Health Day - 25 June 2018
3. Physiology Day - August 2018
4. Physiology Symposium - 24-25 September 2018

Visit us on the web at Physiology

Contents: 1st Symposium of MSC Cancer Program, "Mediators of Cellular Aging & Cancer Connecting Science & Medicine" organising committee, Muscle Biology in Health & Disease organising committee, A/Prof Lim Kah Leong, IT Committee
Design: IT Committee