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# One PHYSIOLOGY

Issue: April - June 2018



**Yong Loo Lin School of Medicine  
Research Excellence Awards  
AY2016/2017**

**Yong Loo Lin School of  
Medicine Graduate Mentor of  
the Year (GRAMMY) Award**




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**Best Graduate Research  
Publication Awards**

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**Physiology Pitch Perfect Awards**



**Swee Liew Wadsworth Awards**



**Physiology in the News**



Professor Soong Tuck Wah and Dr. Hu Zhenyu were featured on Channel 8 news on 22 May 2018.

[Watch the news on Channel 8](#)

**Physiology in the News**



Dr. Ivan Low's article "The importance of a good training plan" was featured on the Straits Times on 3 June 2018.

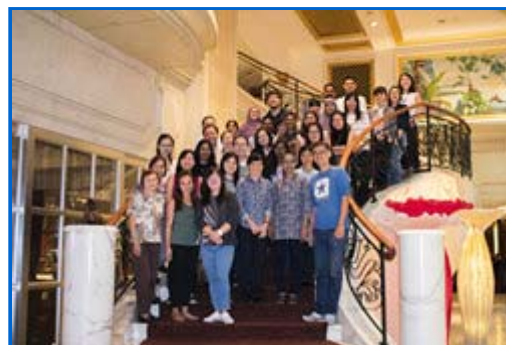
[Read the news on the Straits Times](#)

### Research Get-together



We bid farewell to Dr. Faidon Magkos during the second Research Get-together in year 2018 on 19 June 2018.

### Physiology Support Staff Retreat



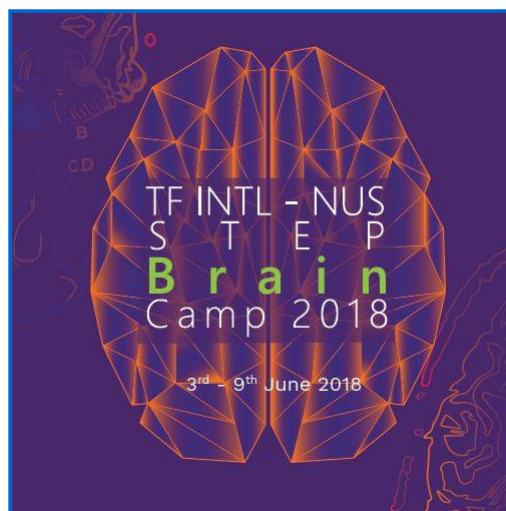
The Physiology Support Staff Retreat took place in Royal Plaza on Scotts on 21 June 2018 to achieve organisation excellence and foster greater bonding among support staff.

### Safety Day



STAY SHARP, AVOID SHARPS! We had a successful department Safety Day on 25 June 2018. which included sharps safety talk by Dr Vernon Seow, LMMS awareness talk by Mr Joel Swee, entertaining safety video screening and engaging games.

### Sunburst Brain Camp



7th Brain Camp (3 - 9 June 2018) was co-organized by our department with Temasek Foundation International. We had more than 150 high school participants from Singapore and other Asia countries.

## Recent Publications

[Hypoxic tumor microenvironment activates GLI2 via HIF-1 \$\alpha\$  and TGF- \$\beta\$ 2 to promote chemoresistance in colorectal cancer](#)  
 Tang YA, Chen YF, Bao Y, Mahara S, Yatim SMJM, Oguz G, Lee PL, Feng M, Cai Y,

Tan EY, Fong SS, Yang ZH, Lan P, Wu XJ, Yu Q. Proc Natl Acad Sci U S A. 2018 Jun 11. pii: 201801348. doi: 10.1073/pnas.1801348115. [Epub ahead of print]

[Abstract](#)

### [SIRT2 Inhibition Confers Neuroprotection by Downregulation of FOXO3a and MAPK Signaling Pathways in Ischemic Stroke.](#)

She DT, Wong LJ, Baik SH, Arumugam TV Mol Neurobiol. 2018 Apr 14. doi: 10.1007/s12035-018-1058-0. [Epub ahead of print]

[Abstract](#)

### [Epigenetic regulation of inflammation in stroke.](#)

Ng GY, Yun-An L, Sobey CG, Dheen T, Fann DY, Arumugam TV Ther Adv Neurol Disord. 2018 Apr 26;11:1756286418771815. doi: 10.1177/1756286418771815. eCollection 2018.

[Abstract](#)

### [Hallmarks of Brain Aging: Adaptive and Pathological Modification by Metabolic States.](#)

Mattson MP, Arumugam TV. Cell Metab. 2018 Jun 5;27(6):1176-1199. doi: 10.1016/j.cmet.2018.05.011.

[Abstract](#)

### [Enriched Expression of Neutral Sphingomyelinase 2 in the Striatum is Essential for Regulation of Lipid Raft Content and Motor Coordination.](#)

Tan LH, Tan AJ, Ng YY, Chua JJ, Chew WS, Muralidharan S, Torta F, Dutta B, Sze SK, Herr DR, Ong WY. Mol Neurobiol. 2018 Jul;55(7):5741-5756. doi: 10.1007/s12035-017-0784-z. Epub 2017 Oct 17.

[Abstract](#)



1. 10th Models of Physiology and Disease Symposium 2018, 24 - 25 September 2018

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Contents: A/Prof Lim Kah Leong, IT Committee

Design: IT Committee